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| <b>QES Document</b>  |   | <b>Doc No</b>        | <b>000090540</b>  |
| <b>Stoffliste -</b>  |   | <b>Core process:</b> | <b>-</b>          |
| <b>AVL LIST GmbH</b> | <b>Liste deklarationspflichtiger und verbotener</b> | <b>Revision:</b>     | <b>08</b>         |
|                      | <b>Stoffe</b>                                       | <b>Gültig ab:</b>    | <b>01.12.2020</b> |
|                      | <b>Restricted Substances List</b>                   |                      |                   |

#### Änderungsprotokoll / Revision Protocol

| Revision | Revisionsdatum /<br>Revision Date | Änderungsgrund / Reason of Changes  |
|----------|-----------------------------------|---|
| 00       | 01.05.2002                        | Erstausgabe / first edition   |
| 01       | 15.10.2004                        | Geänderte Anforderungen / Altered requirements (Ford, Bosch and Volvo)                        |
| 02       | 01.02.2008                        | Geänderte Anforderungen / Altered requirements (Ford, Bosch, Volvo, Renault)                  |
| 03       | 10.09.2008                        | Geänderte Anforderungen / Altered requirements (Ford, Bosch, Volvo, Renault, GADSL)           |
| 04       | 09.03.2009                        | Geänderte Anforderungen / Altered requirements (Ford, Bosch, Volvo, Renault, GADSL, Scania)   |
| 05       | 20.04.2012                        | Geänderte Anforderungen / Altered requirements (Bosch, Volvo)                                 |
| 06       | 26.11.2015                        | Geänderte Anforderungen / Altered requirements (Bosch, Ford, Kubota, Scania, Volvo)           |
| 07       | 16.07.2019                        | New Template / Geänderte Anforderungen / Altered requirements (GADSL, Scania, Bosch, Renault) |
| 08       | 12.10.2020                        | Geänderte Anforderungen / Altered requirements (GADSL)  |

|                        | Name          | Datum / Date | Unterschrift / Signature |
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| Erstellt / Created     | K. Mehrabi    |              | digital released         |
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| Freigegeben / Released | O. Herschmann |              | digital released         |

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| AVL LIST GmbH | <b>QES Dokument</b><br><b>Stofflisten</b><br><b>Liste deklarationspflichtiger und verbotener Stoffe</b> | <b>Dok-Nr.</b><br><b>Kernprozess:</b><br><b>Revision:</b><br><b>Gültig ab:</b> | <b>000090540</b><br><b>-</b><br><b>08</b><br><b>01.12.2020</b> |
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**Zweck:**  
Dieses QES-Dokument dient der Definition von Stoffen, die nur eingeschränkt oder unter gewissen Rahmenbedingungen in der AVL List GmbH verwendet oder durch sie in Umlauf gebracht werden dürfen. Diese Stoffliste ergänzt die Verantwortung jedes Lieferanten, geltende, möglicherweise schärfere gesetzliche Vorschriften in der jeweils aktuellen Fassung einzuhalten.

**Geltungsbereich:**  
Dieses QES-Dokument ist für alle Stoffe, Zubereitungen und Produkte inklusive deren Verpackungen anzuwenden, die an AVL geliefert, innerhalb AVL hergestellt, verwendet oder von AVL geliefert werden und gilt für alle in der Document Masterlist zugewiesenen Organisationseinheiten.

**Verpackungsmaterial:**  
Für Verpackungsmaterial bzw. Verpackungskomponenten darf die kumulative Konzentration von Blei, Cadmium, Quecksilber, Chrom VI die in der EG-Verpackungsrichtlinie 94/62/EG angegebenen Grenzwerte (aktuell 100 ppm) nicht überschreiten.

#### Erklärung der Listenspalten

##### Stoffbezeichnung:

##### CAS-Nummer:

Chemical-Abstracts-Service ist Nummerierungssystem für chemische Stoffe, wodurch eine eindeutige Kennzeichnung der chemischen Verbindung gewährleistet wird. Die angegebene CAS Nummer gibt entweder die Grundsubstanz oder Substanzgruppe an oder ist als Beispiel für wichtige Anwendungen zu sehen.

##### Klassifizierung (C):

##### Verboten (P):

Alle Inhaltsstoffe, die lt. AVL-Stoffliste verboten sind, dürfen aktuell bzw. ab einem angegebenen Gültigkeitsdatum in den an uns zu liefernden Produkten, Bauteilen, Werkstoffen, Stoffzubereitungen und Hilfs- und Betriebsstoffen nicht enthalten sein oder bei der Verwendung freigesetzt werden sowie nicht in Konzentrationen oberhalb der angegebenen Grenzwerte enthalten sein. Ein Vorkommen des Inhaltsstoffes unter dem angegebenen Grenzwert ist nach Art und Menge anzugeben. Die Angabe muss den Deklarationsanforderungen des EG-Sicherheitsdatenblattes entsprechen.

##### Anzugeben (D):

Alle Inhaltsstoffe, die lt. AVL-Stoffliste deklarationspflichtig sind, müssen mit ihrem Masseanteil und der CAS-Nummer nach Art und Menge deklariert werden, wenn sie in den an uns zu liefernden Bauteilen, Werkstoffen, Stoffzubereitungen und Hilfs- und Betriebsstoffen enthalten sind oder bei der Verwendung freigesetzt werden. Die Angabe muss den Deklarationsanforderungen des EG-Sicherheitsdatenblattes entsprechen.

##### Beobachten (M):

Bezieht sich auf Substanzen, die wegen möglicher zukünftiger Restriktionen oder Verbote zu überwachen sind (mittel- oder langfristig)

##### Grenzwert (T):

Der Inhaltsstoff darf aktuell bzw. ab einem angegebenen Gültigkeitsdatum keinen Bestandteil der Rezeptur darstellen und nicht in Konzentrationen oberhalb der angegebenen Grenzwerte enthalten sein. Der Grenzwert für Verbot (P prohibited) bzw. Deklaration (D declarable) beträgt 0,1% Massenanteil, sofern kein anderer Wert angegeben ist. Ist der Grenzwert mit n.a. angegeben, existiert kein vorgeschriebener Grenzwert.

##### Anwendungen / Ausnahmen:

In den Beispielen sind typische Anwendungen von umweltrelevanten gefährlichen Stoffen genannt. Dazu gehören Inhaltsstoffe in den Werkstoffen und Stoffen, die bei der Herstellung verwendet wurden und als Reststoffe auftreten können.

##### Anwendungszeitpunkt:

Der jeweilige Inhaltsstoff ist erst ab dem angegebenen Zeitpunkt verboten bzw. zu deklarieren.

##### Quellen:

GADSL Reference List Stand 2019  
Scania black list (STD4160) Stand Februar 2019  
Scania grey list (STD4160) Stand Februar 2019  
Bosch N2580-1 (Verbot und Deklaration von Inhaltsstoffen) Stand März 2014  
Renault combined list (00-10-050/-F) Stand Dezember 2007  
Kubota Substances of concern list - Stand Juli 2014

##### Mitgeltende Unterlagen:

0000068266\_VA\_Richtlinie zur Verwendung von Stoffen  
Richtlinie 1272/2008/EG zur 30. Anpassung der Richtlinie 67/548/EWG des Rates zur Angleichung der Rechts- und Verwaltungsvorschriften für die Einstufung, Verpackung und Kennzeichnung gefährlicher Stoffe an den technischen Fortschritt; in der gültigen Fassung

Verordnung 987/2008/EG Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe (REACH) hinsichtlich der Anhänge IV und V; in der geltenden Fassung.

Richtlinie 2011/65/EU Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten (RoHS); in der geltenden Fassung

geltendes EU-Recht

GADSL ([http://www.mdssystem.com/html/de/home\\_de.htm](http://www.mdssystem.com/html/de/home_de.htm)) in der geltenden Fassung

|               |  |  |   |
|---------------|--|--|---|
| AVL LIST GmbH | <b>QES Document<br/>Restricted Substances List</b> | <b>Doc No.</b><br><b>Core Process:</b><br><b>Revision:</b><br><b>Valid from:</b> | <b>000090540</b><br>-<br><b>08</b><br><b>01.12.2020</b> |
|---------------|--|--|---|

**Purpose:**  
The purpose of this QES document is to define substances which may be used or circulated by AVL List GmbH only under certain conditions or restrictions. This list completes the responsibility of each supplier to keep to possibly stricter legal requirements in its latest version.

**Scope:**  
The scope of this QES document has to be applied for all substances, preparations and products, including packaging, which are supplied to AVL, manufactured or used at AVL or delivered from AVL and is valid for all organizational units that are allocated in the Document Master List.

**Packing material:**  
For packing material and / or packing components the cumulative concentration of lead, cadmium, mercury, chromium may not exceed the indicated limit values of the packing regulation 94/62/EEC (current 100 ppm).

**Terms and abbreviations**

**Naming of Substances:**  
This column contains chemical compounds or substance groups.

**CAS-Number:**  
Chemical Abstract Service is a numbering system for chemical elements guaranteeing a clear marking of the chemical compounds. The CAS number indicates either the basic chemical elements or the substance group or it is to be referred to as an example for essential applications.

**Classification (C):**

**Prohibited (P):**  
All substances prohibited according to AVL's list of declarable and restricted substances may neither be contained in products, components, preparations, auxiliary and working material nor be emitted currently or from a certain date of validity, nor may the concentration of the substances be above the stated threshold. The existence of these substances below the set threshold is to be declared by type and quantity. The declaration has to comply with the requirements of declaration of the EC safety data sheet.

**Declarable (D):**  
All substances which are to be declared according to AVL's List of declarable and restricted substances, have to be declared with percent per weight and CAS number, if those substances are contained in products, component parts, materials, preparations, and utilities supplied to AVL or released at usage. The declaration has to comply with the requirements of declaration of the EC safety data sheet.

**Monitoring (M):**  
Relates to substances to be monitored due to possible future restrictions or prohibitions (medium or long term).

**Threshold (T):**  
Currently or from a certain date of validity, the indicated substances may be neither components of the formulation nor be included in concentrations above the stated thresholds.  
The threshold for prohibited (P) and declarable (D) substances is 0.1 percent per weight, unless there is another value indicated. (n.a. = not applicable)

**Applications / Exceptions:**  
This column covers typical applications of environmentally relevant hazardous substances, including ingredients of materials and substances which are used during production and may occur as residual material.

**Effective Date:**  
The substance concerned is only prohibited or to be declared from a stated date.

**Sources:**  
GADSL Reference List Status 2019  
Scania black list (STD4160) Status February 2019  
Scania grey list (STD4160) Status February 2019  
BoschNorm N 2580-1 (Prohibition and declaration of substances) Status March 2014  
Renault combined list (00-10-050/-F) Status December 2007  
Kubota Substances of concern list - Status July 2014

**Applicable documents:**  
0000068266\_VA\_Richtlinie zur Verwendung von Stoffen / 0000068350\_VA\_Guideline for the handling of substances  
Dir. 1272/2008/EC for the purpose of its adaptation to technical progress, for the 30th time, Council Directive 67/548/EEC on the approx. of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances; in the valid version  
Reg. 2008/987/EC amending Reg. 1907/2006/EC on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annexes IV and V; in the valid version  
Dir. 2011/65/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS); in the valid version  
applicable EU legislation  
GADSL ([http://www.mdssystem.com/html/de/home\\_de.htm](http://www.mdssystem.com/html/de/home_de.htm)) in the valid version

| No. | Substance  | CAS No.             | Classification | Reason Code | Source<br>(Legal requirements, regulations)  | Effective date (Legal requirements, regulations) |                 | Generic examples   | Reporting threshold<br>(0.1% unless otherwise stated)              | First added |
|-----|--|---------------------|----------------|-------------|--|--|-----------------|--|--|-------------|
|     |  |                     |                |             |  | Date   | Action required |  |  |             |
| 1   | (2-Benzothiazolylthio)methyl thiocyanate   | 21564-17-0          | D              | FI          | Renault 2007   |  |                 | fungicide  |  |             |
| 2   | (carbonato(2-))tetrahydroxytrickel   | 12607-70-4          | D / C          |             | Kubota 2014/ Renault 2007  |  |                 |  |  |             |
| 3   | [4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phenyl]methylencyclohexa-2,5-dien-1-ylidene dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 2580-56-5           | C              | FI          | Scania, Greylist, 20.02.2019   |  |                 |  |  | 18-Jun-2012 |
| 4   | [4-[[4-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]                 | 548-62-9            | C              | FI          | Scania, Greylist, 20.02.2019   |  |                 |  |  | 18-Jun-2012 |
| 5   | [Phthalato(2-)]dioxotrilead  | 69011-06-9          | R              |             | Scania, Greylist, 20.02.2019   |  |                 | Rubber products, plastic products  |  | 19-Dec-2012 |
| 6   | 1, 1, 1-Trichloroethane  | 71-55-6             | O              |             | Scania, Blacklist, 20.02.2019; Kubota 2014/ Renault 2007   |  |                 | Solvent; degreasing solvent. (Scania: 2010) solvent; (Ford, 2010): all products  |  | 24-Feb-1998 |
| 7   | 2,4,5-Trichlorophenol  | 95-95-4             | D              | FI          | (EC) No 1272/2008; Ford 2013/ Kubota 2014/ Renault 2007  |  |                 |  |  | 10-Jan-2005 |
| 8   | 1,1 Dichloroethylene (Vinylidene chloride)   | 75-35-4             | P / C          | FI          | Kubota 2014/ Bosch/ Ford/ Renault 2007   |  |                 | Bosch 2012: prohibition with exception; used as solvents; / diffuse applications, cleaning and / or products for sale to the general public in the European Union; (Bosch, 03/23/2010); solvents; Renault 2007: PVC copolymers manufacturing   |  |             |
| 9   | 1,1'-(ethane-1,2-diy)bis(pentabromobenzene)  | 84852-53-9          | D              | FI          | Included in list of substances under REACH PACT assessment   |  |                 | Thermoplastics, Adhesives, sealants, Airbag, cables, sensors.  |  | 1-Feb-2017  |
|     | 1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromo-2-methylpropoxy)benzene]   | 97416-84-7          | D              | FI          | Included in list of substances under REACH PACT assessment   |  |                 | electrical batteries and accumulators.   |  | 1-Feb-2019  |
|     | 1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)benzene]  | 21850-44-2          | D              | FI          | Included in list of substances under REACH PACT assessment   |  |                 | Possible replacement for HBCD  |  | 1-Feb-2019  |
| 10  | 1,1,1,2 Tetrachloroethane  | 630-20-6            | P / C          | FI          | Kubota 2014/ Bosch 2009/ Renault 2007  |  |                 | Bosch 2012: prohibition with exceptions; / to "P": diffuse applications, cleaning and / or products for sale to the general public in the European Union   |  |             |
| 11  | 1,1,1,2-tetrafluoroethane (HFC 134a)   | 811-97-2            | D / C          | FI          | Kubota 2014/ Renault 2007  |  |                 | refrigerant for air conditioning   |  |             |
| 12  | 1,1,2,2 Tetrachloroethane  | 79-34-5             | P              | FI          | Kubota 2014/ Bosch 2009  |  |                 | Bosch 2012: Prohibition with exceptions, examples occurrence: solvents, making polymers, making od dyes; chlorinated solvents manufacturing; / (Bosch, 2010): solvents; making polymers, making od dyes; (Ford, 2010): diffuse applications, cleaning and/or products for sale to the general public in the European Union |  |             |
| 13  | 1,1,2,2,3,3,4,4,4-nonatetrafluorobutane-1-sulphonic acid (PFBS)  | 375-73-5            | D              | FI          | Included in list of substances under REACH PACT assessment<br>(Substance is not SVHC nor is it restricted in the EU)   |  |                 | Textiles   |  | 1-Feb-2019  |
| 14  | 1,1-dimethylethylamine   | 75-64-9             | M              |             | Renault 2007   |  |                 |  |  |             |
| 15  | 1,2,3,4,5,6-Hexachlorocyclohexane (mixed isomers)/ Hexachlorocyclohexanes, including lindane   | 608-73-1            | P / C          | FI          | Kubota 2014/ Bosch 2009/ Renault 2007  |  |                 | Bosch 2012: prohibition of use; / production of lindane (= gamma-HCH), insecticide   |  |             |
| 16  | 1,2-benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich  | 68515-47-9          | D              | FI          | Included in list of substances under REACH PACT assessment   |  |                 | Adhesive, sealant, PVC, thermoplastics, laquers, solder, electrolytic fluid  |  | 1-Feb-2017  |
| 17  | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)  | 271-094-0,272-013-1 | R              | FI          | Scania, Greylist, 20.02.2019   |  |                 | Plasticisers and lubricants, including use in adhesives, coatings, building material, cable compounding, polymer foils, PVC compounds and artist supply.   |  | 15-Jun-2015 |
| 18  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich   | 71888-89-6          | R              | FI          | Scania, Greylist, 20.02.2019   |  |                 | PVC, Paint   |  | 5-Jul-2011  |
| 19  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters  | 68515-42-4          | R              | FI          | Scania, Greylist, 20.02.2019   |  |                 | PVC  |  | 5-Jul-2011  |
| 20  | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear   | 68515-50-4          | R              | FI          | Scania, Greylist, 20.02.2019   |  |                 | Can occur in articles of plasticized plastic<br>Textile  |  | 16-Jun-2014 |
| 21  | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear   | 84777-06-0          | R              | FI          | Scania, Greylist, 20.02.2019   |  |                 | Explosives, phlegmatizer   |  | 19-Dec-2012 |
| 22  | 1,2-benzisothiazol-3(2H)-one   | 2634-33-5           | D / P          | FI          | Renault 2007   |  |                 | Renaut 2010: Biocide   |  |             |
| 23  | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)  | 112-49-2            | R              | FI          | Scania, Greylist, 20.02.2019   |  |                 |  |  |             |
| 24  | 1,2-diaminopropane-n,n,n',n'-tetraacetic acid  | 4408-81-5           | D              | FI          | Renault 2007   |  |                 |  |  | 18-Jun-2012 |
| 25  | 1,2-Diethoxyethane   | 629-14-1            | R              | FI          | Scania, Greylist, 20.02.2019   |  |                 |  |  | 19-Dec-2012 |
| 26  | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)  | 110-71-4            | R              | FI          | Scania, Greylist, 20.02.2019   |  |                 |  |  | 18-Jun-2012 |
| 27  | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC) Triethylcyclohexanecarboxylate  | 2451-62-9           | T, M           | FI          | Scania, Greylist, 20.02.2019   |  |                 | Powder paints  |  | 15-Aug-2002 |
| 28  | 1,3,5-tris(2S and 2R)-2,3-epoxypropyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)  | 59653-74-6          | M              | FI          | Scania, Greylist, 20.02.2019   |  |                 | Plastic goods (softener)   |  | 18-Jun-2012 |
| 29  | 1,3-dichlorobenzene; m-Dichlorobenzene   | 541-73-1            | M / C          | FI          | Kubota 2014/ Renault 2007  |  |                 |  |  |             |
| 30  | 1,3-dichloropropene  | 542-75-6            | D / C          | FI          | Kubota 2014/ Renault 2007  |  |                 |  |  |             |
| 31  | 1,3-dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione   | 53988-10-6          | D              | FI          | Included in list of substances under REACH PACT assessment   |  |                 | Tyres  |  | 1-Feb-2019  |
|     | 1,3-dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione, zinc salt  | 61617-00-3          | D              | FI          | Included in list of substances under REACH PACT assessment   |  |                 | Tyres  |  | 1-Feb-2019  |
|     | 1,3-Propanesultone   | 1120-71-4           | D              | LR          | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |                 | Electrolite fluid in Lithium batteries   |  | 1-Feb-2016  |
| 32  | 1,3-propanesultone   | 1120-71-4           | C              | FI          | Scania, Greylist, 20.02.2019   |  |                 | Electrolyte fluid of lithium ion batteries   |  | 17-Dec-2015 |
| 33  | 1,4 Benzenediol (Hydroquinone)   | 123-31-9            | D              | LR          | Canada SNAC <a href="http://www.gazette.gc.ca/rp-pr/p2/2011/2011-12-21/html/sor-dors293-eng.html">http://www.gazette.gc.ca/rp-pr/p2/2011/2011-12-21/html/sor-dors293-eng.html</a><br>Canada Gazette Vol. 140, No. 49 - December 9, 2006 (Canadian Challenge). The Canadian Challenge is regulated under the Part 5, Section 71, of the Canadian Environmental Protection Act, 1999 (CEPA, 1999). |  |                 | adhesives, heat shrink tubing, paint, motor vehicle oils and fuels. New uses require prior consent!  |  | 1-Feb-2014  |
|     | 1,4-Benzenediamine, N,N'-mixed phenyl and tolyl derivs   | 68953-84-4          | D              | FI          |  |  |                 | Rubber tires; elastomers in butyl rubber; anti aging agent; sealants   | 0.1%. Report any intentionally added content. No testing required. | 1-Feb-2009  |
|     | 1,4-Benzenediamine, N,N'-mixed Ph and tolyl and xylol derivs.  | 68953-83-3          | D              | FI          | Included in list of substances under REACH PACT assessment   |  |                 | Anti-degrading agent in rubber   |  | 1-Feb-2018  |

|    |  |             |   |           |  |                              |  |           |   |  |
|----|--|-------------|---|-----------|--|------------------------------|--|-----------|---|--|
|    | 1,4-Benzenediamine, N,N-mixed tolyl and xylyl derivs.  | 68478-45-5  | D | FI        | Included in list of substances under REACH PACT assessment                                 |                              |  |           | Drive Belts, steering fluid lines, shock absorbers, tubes   | 1-Feb-2018                                       |
|    | 1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*0*2,13*0*5,10]octadeca-7,15-diene, all members       |             | D | LR        | Reg. (EC) No 1907/2006 (REACH Candidate List)<br>Additional isomers were added to the List |                              |  |           | Thermoplastics; Unfilled Thermoplastics; Electronics (e.g. pc boards, displays); Thermoplastic elastomers                             | 1-Feb-2019                                       |
|    | 1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*0*2,13*0*5,10]octadeca-7,15-diene                    | 13560-89-9  | D | LR        |  |                              |  |           |   | 1-Feb-2017                                       |
|    | 1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*0*2,13*0*5,10]octadeca-7,15-diene                    | 135821-74-8 | D | LR        |  |                              |  |           |   | 1-Feb-2019                                       |
|    | 1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*0*2,13*0*5,10]octadeca-7,15-diene                    | 135821-03-3 | D | LR        |  |                              |  |           |   | 1-Feb-2019                                       |
| 34 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one  | 15087-24-8  |   | Endocrine | FI   | Scania, Greylist, 20.02.2019 |  |           | PUR foams Adhesives   | 15-Jan-2019                                      |
| 35 | 1-bromopropane (n-propyl bromide)  | 106-94-5    |   |           | R  | FI                           | Scania, Greylist, 20.02.2019   |           | Solvent   | 19-Dec-2012                                      |
| 36 | 1-ethoxy-2-propanol  | 1569-02-4   |   |           | M  |                              | Renault 2007   |           |   |  |
| 37 | 1-methoxy-2-propanol   | 107-98-2    |   |           | M  |                              | Renault 2007   |           |   |  |
| 38 | 1-methoxy-2-propylacetate  | 108-65-6    |   |           | M  |                              | Renault 2007   |           |   |  |
| 39 | 1-Methyl-2-pyrrolidone   | 872-50-4    |   |           | R  | FI                           | Scania, Greylist, 20.02.2019   |           | Solvent   | 5-Jul-2011                                       |
| 40 | 1-propanol   | 71-23-8     |   |           | M  |                              | Renault 2007   |           | biocide surfactant  |  |
| 41 | 2-(2-(2-butoxyethoxy)ethoxy)ethanol  | 143-22-6    |   |           | M  |                              | Renault 2007   |           |   |  |
| 42 | 2-(2-butoxyethoxy)ethanol (DEGBE)  | 112-34-5    |   | D / C     |  |                              | Kubota 2014/ Renault 2007  |           | all products; Bosch: From 27 June 2010 in spray paints, spray cleaners in aerosol dispensers 3,0; (Ford, 2010): all products          |  |
| 43 | 2-(2-butoxyethoxy)ethyl acetate  | 124-17-4    |   |           | M  |                              | Renault 2007   |           |   |  |
| 44 | 2-(2-ethoxyethoxy)ethanol  | 111-90-0    |   |           | M  |                              | Renault 2007   |           |   |  |
| 45 | 2-(2-ethoxyethoxy)ethyl acetate  | 112-15-2    |   |           | M  |                              | Renault 2007   |           |   |  |
| 46 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)   | 36437-37-3  |   |           | vPvB   | FI                           | Scania, Greylist, 20.02.2019   |           | UV-protection agents in coatings, plastics, rubber and cosmetics  | 17-Dec-2015                                      |
| 47 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)   | 25973-55-1  |   |           | D  | LR                           | Reg. (EC) No 1907/2006 (REACH Candidate List)<br>Included in list of substances under REACH PACT assessment        |           | UV stabilizer   | 1-Feb-2015                                       |
|    | 2-(2H-benzotriazol-2-yl)-p-cresol (UV-P)   | 2440-22-4   |   |           | D  | FI                           |  |           | Adhesives, duromers, thermoplastics, trim, door, loudspeaker grille, cup holder   | 1-Feb-2017                                       |
|    | 2(3H)-Benzothiazolethione,sodium salt (1:1)  | 2492-26-4   |   |           | D  | FI                           | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |           |   | 1-Feb-2017                                       |
| 48 | 2-(propyloxy)ethanol   | 20706-25-6  |   |           | M  |                              | Renault 2007   |           |   |  |
| 49 | 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol  | 4219-04-4   |   |           | M  | FI                           | Renault 2007   |           | Renaut 2010: Biocide  |  |
| 50 | 2,2',4,4',6,6'-hexachlorobiphenyl  | 33979-03-2  |   |           | P  | FI                           | Renault 2007   |           |   |  |
| 51 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA)   | 101-14-4    |   |           | C  | FI                           | Scania, Greylist, 20.02.2019   |           |   | 3-Jan-2012                                       |
| 52 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane  | 6807-17-6   |   |           | R  | FI                           | Scania, Greylist, 20.02.2019   |           |   | 15-Jan-2019                                      |
| 53 | 2,2'-Dichloro-4,4'-methylenedianiline/ 4,4'-Methylenebis(2-chloroaniline)/ 3,3'-Dichloro-4,4'-diaminodiphenylmethane | 101-14-4    |   |           | D/P/C  | FI                           | Scania 2014/ Kubota 2014/ Renault 2007   |           |   |  |
| 54 | 2,2'-Dithiobis(benzothiazole)  | 120-78-5    |   |           | D  | FI                           | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |           |   | 1-Feb-2017                                       |
| 55 | 2,3,4,6-tetrachlorophenol  | 58-90-2     |   |           | D  | FI                           | Renault 2007   |           |   |  |
| 56 | 2,3,5,6-tetrachlorophenol  | 935-95-5    |   |           | M  | FI                           | Renault 2007   |           |   |  |
| 57 | 2,3,5-trichlorophenol  | 933-78-8    |   |           | M  | FI                           | Renault 2007   |           |   |  |
| 58 | 2,3,6-trichlorophenol  | 933-75-5    |   |           | D  | FI                           | Renault 2007   |           |   |  |
| 59 | 2,4-Dinitrotoluene   | 121-14-2    |   |           | D  | FI/ LR                       | Reg. (EC) No 1907/2006 (REACH Annex XIV)   | 21-Aug-15 | REACH Authorisation Sunset Date   | Used in detonators of airbags                    |
| 60 | 2,4,5-trichlorophenoxyacetic acid  | 93-76-5     |   |           | D  | FI                           | Renault 2007   |           | weed-killer   | 1-Feb-2018                                       |
| 61 | 2,4,5-trimethylaniline   | 137-17-7    |   |           | P / C  | FI                           | Kubota 2014/ Renault 2007  |           | Azo dyes synthesis  |  |
| 62 | 2,4,6-Trichlorophenol  | 88-06-2     |   |           | D  | FI                           | (EC) No 1272/2008; Renault 2007; Ford 2013/ Kubota 2014  |           |   | 10-Jan-2005                                      |
| 63 | 2,4,6-Triallyloxy-1,3,5-triazine   | 101-37-1    |   |           | D  | FI                           | Included in list of substances under REACH PACT assessment   |           | elastomers, thermoplastic elastomers, polarizer, primer   | 1-Feb-2017                                       |
| 64 | 2,4-D (2,4-dichlorophenoxyacetic acid)   | 94-75-7     |   |           | D  | FI                           | Renault 2007   |           | weed-killer   |  |
| 65 | 2,4-Dihydroxybenzophenone  | 131-56-6    |   |           | D  | FI                           | Included in list of substances under REACH PACT assessment   |           | UV adsorber in polymers and paints  | 1-Feb-2018                                       |
| 66 | 2,4-Dinitro-N,N'-dipropyl-6-(trifluoromethyl)benzene-1,3-diamine   | 29091-21-2  |   |           | M  |                              | Renault 2007   |           |   |  |
| 67 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)   | 3864-99-1   |   |           | vPvB   | FI                           | Scania, Greylist, 20.02.2019   |           | UV-protection agents in coatings, plastics, rubber and cosmetics  | 17-Dec-2015                                      |
| 68 | 2,4-xylylidine / 2,4-Dimethylaniline   | 95-68-1     |   |           | M / C  | FI                           | Kubota 2014/ Renault 2007  |           |   |  |
| 69 | 2,5-di-tert-pentylhydroquinone   | 79-74-3     |   |           | D  | FI                           | Included in list of substances under REACH PACT assessment   |           | adhesive, sealant,  | 1-Feb-2017                                       |
|    | 2,5-Furandione,dihydro-3-(tetrapropenyl)-  | 26544-38-7  |   |           | D  | FI                           | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |           |   | 1-Feb-2017                                       |
|    | 2,6-di-tert-butyl-p-cresol   | 128-37-0    |   |           | D  | FI                           | Included in list of substances under REACH PACT assessment   |           | adhesive, varnish, grease, lube, Oil, elastomers  | 1-Feb-2017                                       |
| 70 | 2,6-xylylidine/ 2,6-Dimethylaniline  | 87-62-7     |   |           | D / C  | FI                           | Kubota 2014/ Renault 2007  |           |   |  |
| 71 | 2-amino-4-nitrotoluol/ 4-o-tolylazo-o-toluidine: 4-amino-2',3'-dimethylazobenzene; last garnet GBC base; AAT; o-     | 97-56-3     |   |           | P / C  |                              | Kubota 2014/ Renault 2007  |           | Azo dyes synthesis  |  |
| 72 | 2-Benzothiazolesulphenamide, N, N-dicyclohexyl-  | 4979-32-2   |   |           | D  | FI                           | Japan Chemical Substances Control Law [Monitoring]   |           | Vulcanization accelerator for tires and rubber products   | Any intentionally added content must be reported |
| 73 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)   | 3846-71-7   |   |           | PBT, vPvB  | FI                           | Scania, Greylist, 20.02.2019   |           | UV absorber   | 17-Dec-2014                                      |
| 74 | 2-bromo-2-nitro-1,3-propanediol  | 52-51-7     |   |           | P  |                              | Renault 2007   |           | in anti-corrosion agents, aqueous cleaning agents, water miscible cooling lubricants, emulsion cleaners and HC cleaners; preservative |  |
| 75 | 2-butanol  | 78-92-2     |   |           | M  |                              | Renault 2007   |           |   |  |
| 76 | 2-butanone   | 78-93-3     |   |           | M  |                              | Renault 2007   |           |   |  |
| 77 | 2-butoxyethanol  | 111-76-2    |   |           | D  |                              | Renault 2007   |           |   |  |
| 78 | 2-chloropropane  | 75-29-6     |   |           | M  | FI                           | Renault 2007   |           | all products  |  |
| 79 | 2-chlorotoluene  | 95-49-8     |   |           | M / C  | FI                           | Kubota 2014/ Renault 2007  |           |   |  |

|     |  |             |              |    |   |  |  |                                 |             |
|-----|--|-------------|--------------|----|---|--|--|---------------------------------|-------------|
| 80  | 2-Ethoxyethanol/ Ethylene glycol monoethyl ether   | 110-80-5    | P / C        | FI | Scania 2014/ Kubota 2014/ Renault 2007  |  | Scania 2014; Solvent; Bosch 2012: 0,1, however prohibited for developing new materials or material alterations; / Solvent, agents in polyester resins, PES-fibers; (3.9.08) Ford: all products |                                 |             |
| 81  | 2-Ethoxyethanacetate   | 111-15-9    | R            |    | Scania, Blacklist, 20.02.2019; Kubota 2014/ Renault 2007  |  | Solvent  |                                 | 15-Aug-2002 |
| 82  | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)   | 15571-58-1  | A            | FI | Scania, Greylist, 20.02.2019  |  | Stabilizers  |                                 | 17-Dec-2014 |
| 83  | 2-hexanone   | 591-78-6    | D            | FI | Renault 2007  |  |  |                                 |             |
| 84  | 2-hexenal  | 505-57-7    | M            | FI | Renault 2007  |  |  |                                 |             |
| 85  | 2-Hexyldecane-1-ol   | 2425-77-6   | D            | FI | Included in list of substances under REACH PACT assessment  |  | electronics, soldercream, lubricants   |                                 | 1-Feb-2017  |
| 86  | 2-Methoxy-1-propanol   | 1589-47-5   | R            | FI | Scania, Greylist, 20.02.2019; Volvo 2014/ Renault 2007/ Kubota 2014   |  | Solvent  |                                 | 15-Aug-2002 |
| 87  | 2-Methoxyaniline   | 90-04-0     | C            | FI | Scania, Greylist, 20.02.2019  |  |  |                                 | 2-Jan-2012  |
| 88  | 2-Methoxyethanol/ Ethylene glycol monomethyl ether   | 109-86-4    | D / C        |    | Scania 2014/ Kubota 2014/ Ford 2015/ Renault 2007   |  | Scania 2014; Solvent; Bosch 2012: 0,1, however prohibited for developing new materials or material alterations; / Solvent for cellulose esters, waxes, dyes; (3.9.08) Ford: all Products       |                                 |             |
| 89  | 2-Methoxyethanacetate / 2-Methoxyethyl acetate   | 110-49-6    | R            |    | Scania, Blacklist, 20.02.2019; Kubota 2014/ Renault 2007  |  | Solvent  |                                 | 15-Aug-2002 |
| 90  | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one   | 71868-10-5  | D            | FI | Included in list of substances under REACH PACT assessment  |  | photoinitiator, plastics additive  |                                 | 1-Feb-2019  |
| 91  | 2-methyl-1-propanamine   | 78-81-9     | M            | FI | Renault 2007  |  |  |                                 |             |
| 92  | 2-methyl-2H-isothiazol-3-one (MIT)   | 2682-20-4   | A            |    | Scania, Greylist, 20.02.2019  |  | Aqueous solutions Cutting fluids Paints  |                                 | 26-Feb-1998 |
| 93  | 2-Naphthylamine and its salts, all members   |             | P            | LR | Reg. (EC) No 1272/2008, carcinogen class 2 Reg. (EC) No 552/2009  |  | Impurities in textile and leather paints, antioxidants in lubricants, rubber/latex, plastics   | 0.01%                           | 10-Jan-2005 |
|     | 2-Naphthylamine  | 91-59-8     | P            | LR |   |  |  |                                 | 10-Jan-2005 |
|     | 2-Naphthylammoniumacetat   | 553-00-4    | P            | LR |   |  |  |                                 | 1-Feb-2009  |
| 94  | 2-nonylphenol  | 136-83-4    | D            | FI | Renault 2007  |  | Renault 2007: surfactant   |                                 |             |
| 95  | 2-octyl-2H-isothiazol-3-one  | 28530-20-1  | D / P        | FI | Renault 2007  |  | Renaut 2010: Biocide   |                                 |             |
| 96  | 2-pentanol   | 6032-29-7   | M            | FI | Renault 2007  |  |  |                                 |             |
| 97  | 2-pentenal   | 764-39-6    | M            | FI | Renault 2007  |  |  |                                 |             |
| 98  | 2-phenylphenol   | 90-43-7     | D / C        | FI | Kubota 2014/ Renault 2007   |  |  |                                 |             |
| 99  | 2-propanol   | 67-63-0     | M            |    | Renault 2007  |  |  |                                 |             |
| 100 | 2-Propanone, reaction products with diphenylamine (PREPOD)   | 68412-48-6  | D            | FI | October 15, 2011 the Canadian government declared PREPOD as Toxic. They are proposing to ban the use of this substance. |  | additive in rubber parts, paint additive, plasticizer  | any intentionally added content | 1-Feb-2014  |
| 101 | 3,3'-Dichlorobenzidine   | 91-94-1     | P / C        | FI | Kubota 2014/ Renault 2007   |  | azo dyes synthesis   |                                 |             |
| 102 | 3,3'-Dimethoxybenzidine; o-dianisidine   | 119-90-4    | P / C        | FI | Kubota 2014/ Renault 2007   |  | azo dyes synthesis   |                                 |             |
| 103 | 3,3'-methylenebis(5-methylisoxazolidine)   | 66204-44-2  | M            |    | Renault 2007  |  | Renaut 2007: Formol releasing biocide, bactericide   |                                 |             |
| 104 | 3,4,5-trichlorophenol  | 609-19-8    | M            | FI | Renault 2007  |  |  |                                 |             |
| 105 | 3,5-dichlorophenylcarbaminaacid-(1-carboxy-1-methyl)-allyl   | 88378-55-6  | D            | FI | Renault 2007  |  |  |                                 |             |
| 106 | 3,9-Dihydroxybenzo[anthracen]  | 56814-97-2  | D            | FI | Renault 2007  |  |  |                                 |             |
| 107 | 3-ethoxy-1-propanol  | 111-35-3    | M            |    | Renault 2007  |  |  |                                 |             |
| 108 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine   | 143860-04-2 | R            | FI | Scania, Greylist, 20.02.2019  |  |  |                                 | 19-Dec-2012 |
| 109 | 3-iodo-2-propynyl butylcarbamate   | 55406-53-6  | M            |    | Renault 2007  |  | Renaut 2010: Biocide, fungicide  |                                 |             |
| 110 | 3-phenoxybenzyl-2-(4-ethoxyphenyl)-2-methylpropoxymethyl 2-(4-Ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl                                       | 80844-07-1  | D / C        | FI | Kubota 2014/ Renault 2007   |  | Renaut 2010: Biocide   |                                 |             |
| 111 | 4-(4-nitrophenyl)azoaniline  | 730-40-5    | M            | FI | Renault 2007  |  |  |                                 |             |
| 112 | 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)   | 140-66-9    | Endocrine    | FI | Scania, Greylist, 20.02.2019  |  |  |                                 | 3-Jan-2012  |
| 113 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]                  |             |              | FI | Scania, Greylist, 20.02.2019  |  | Surface treated metal products   |                                 | 19-Dec-2012 |
| 114 | 4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octyl phenol  | 140-66-9    | D / C        | FI | Scania 2014/ Kubota 2014/ Renault 2007  |  | Scania 2014; Surface treated metal products/ Application: Paint, sealant, wax, polish; surfactant  |                                 |             |
| 115 | 4-(4-hydroxyphenyl)-2,2,6,6-tetramethylcyclohexanecarbonacid   | 53792-11-3  | M            |    | Renault 2007  |  |  |                                 |             |
| 116 | 4,4'-(1-Methylpropylidene)bisphenol  | 77-40-7     | D            | FI | Included in list of substances under REACH PACT assessment  |  |  |                                 | 1-Feb-2018  |
| 117 | 4,4'-isopropylidenediphenol (bisphenol A; BPA)   | 80-05-7     | R, Endocrine | FI | Scania, Greylist, 20.02.2019  |  | Manufacture of polycarbonate epoxy resins and chemicals; hardener in epoxy resins  |                                 | 12-Jan-2017 |
| 118 | 4,4'-bis(dimethylamino) benzophenone (Michler's ketone)  | 90-94-8     | C            | FI | Scania, Greylist, 20.02.2019  |  |  |                                 | 18-Jun-2012 |
| 119 | 4,4'-bis(dimethylamino)-4'-(methylamino)trityl alcohol [with 2 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 561-41-1    | C            | FI | Scania, Greylist, 20.02.2019  |  |  |                                 | 18-Jun-2012 |
| 120 | 4,4'-isopropylidenediphenol  | 80-05-7     | D            | LR | Included in list of substances under REACH PACT assessment Reg. (EC) No 1907/2006 (REACH Candidate List)                |  | PVC, Laquers, hardener, adhesives, electrics   |                                 | 1-Feb-2017  |
| 121 | 4,4'-methylenedi-o-toluidine   | 838-88-0    | C            | FI | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007   |  |  |                                 | 19-Dec-2012 |
| 122 | 4,4'-methylenediphenol   | 620-92-8    | D            | FI | Included in list of substances under REACH PACT assessment  |  | Steering wheel (Epoxy resin raw material)  |                                 | 1-Feb-2018  |
| 123 | 4,4'-oxydianiline and its salts  | 101-80-4    | C, M         | FI | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007   |  |  |                                 | 19-Dec-2012 |
| 124 | 4,4'-sulphonylbis[2,6-dibromophenol];Tetrabromobisphenol S, (TBBS)   | 39635-79-5  | D            | FI | Included in list of substances under REACH PACT assessment  |  | Tetrabromo-bisphenol-S is a flame retardant; usage in textiles, plastics   |                                 | 1-Feb-2018  |
| 125 | 4,4'-Thiodianiline and its salts   | 139-65-1    | P / C        | FI | Kubota 2014/ Renault 2007   |  | Azo dyes synthesis   |                                 |             |
| 126 | 4-Aminoazobenzene  | 60-09-3     | C            | FI | Scania, Greylist, 20.02.2019; Renault 2007  |  | Textile  |                                 | 19-Dec-2012 |
| 127 | 4-Aminobiphenyl and its salts, all members   |             | P            | LR | (EC) No 1272/2008, carcinogen class 2 Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH)                              |  | Impurities in textile and leather paints, antioxidants in lubricants, rubber/latex, plastics   | 0.01%                           | 10-Jan-2005 |
|     | 4-Aminobiphenyl  | 92-67-1     | P            | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |                                 | 10-Jan-2005 |
|     | p-aminobiphenyl hydrochloride  | 2113-61-3   | P            | LR |   |  |  |                                 | 10-Jan-2005 |
| 128 | 4-Chloraniline   | 106-47-8    | P            | FI | Volvo 2014/ Renault 2007  |  | Volvo 2012: Hardeners or cross linking agents for polymers and epoxy resins; / Azo dyes synthesis  |                                 |             |
| 129 | 4-Chloro-o-toluidine   | 95-69-2     | P / C        | FI | Kubota 2014/ Renault 2007   |  | Azo dyes synthesis   |                                 |             |

|     |   |                                   |           |          |  |  |  |  |             |
|-----|---|-----------------------------------|-----------|----------|--|--|--|--|-------------|
| 130 | 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] |                                   | Endocrine | FI       | Scania, Greylist, 20.02.2019   |  | Manufacture of polymers; formulation into lubricants   |  | 12-Jan-2017 |
| 131 | 4-Methoxy-m-phenylenediamine/ 2,4-Diaminoanisole  | 615-05-4                          | P / C     |          | Kubota 2014/ Renault 2007  |  | Azo dyes synthesis   |  |             |
| 132 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine)   | 95-80-7                           | C         | FI       | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007  |  | Textile  |  | 19-Dec-2012 |
| 133 | 4-Nitrobiphenyl and its salts, all members  |                                   | P         | LR       | Reg. (EC) No 1272/2008, carcinogen class 2<br>Reg. (EC) No 552/2009  |  | Impurities in textile and leather paints, antioxidants in lubricants, rubber/latex, plastics | 0.01%  | 10-Jan-2005 |
| 134 | 4-nitrotoluene  | 92-93-3<br>99-99-0                | P<br>D    | LR<br>FI | Renault 2007   |  | weed-killer  |  | 10-Jan-2005 |
|     | 4-Nonylphenol, branched and linear, all members   |                                   | D         | LR       | Reg. (EC) No 1272/2008<br>Reg. (EC) No 552/2009<br>Reg. (EC) No 1907/2006 (REACH Candidate List)   |  | Residues on metals, leather and textiles from their processing.                              |  | 1-Feb-2008  |
|     | 4-Nonylphenol   | 104-40-5                          | D         | FI/LR    |  |  |  |  | 30-Jul-2013 |
|     | p-Isononylphenol  | 26543-97-5                        | D         | LR       |  |  |  |  | 1-Feb-2016  |
|     | p-(1-Methylheptyl)phenol  | 17404-66-9                        | D         | LR       |  |  |  |  | 1-Feb-2016  |
|     | p-(1,1-Dimethylheptyl)phenol  | 30784-30-6                        | D         | LR       |  |  |  |  | 1-Feb-2016  |
|     | 4-(1-Ethyl-1-methylhexyl)phenol   | 52427-13-1                        | D         | LR       |  |  |  |  | 1-Feb-2016  |
|     | 4-(1-Ethyl-1,3-dimethylpentyl)phenol  | 186825-36-5                       | D         | LR       |  |  |  |  | 1-Feb-2016  |
|     | 4-(1-Ethyl-1,4-dimethylpentyl)phenol  | 142731-63-3                       | D         | LR       |  |  |  |  | 1-Feb-2016  |
|     | Branched 4-nonylphenol  | 84852-15-3                        | D         | LR       |  |  |  |  | 30-Jul-2013 |
|     | 5-Chlorobenzotriazole, 2-(2-Hydroxy-3-tert-butyl-5-methylphenyl)-(UV-328)   | 3896-11-5                         | D         | FI       | Included in list of substances under REACH PACT assessment   |  | Application: air bag, battery, fuel pipe, door seal, fabric, roof hatch                      |  | 1-Feb-2017  |
| 135 | 5-Nitro-o-toluidine   | 99-55-8                           | D / C     | FI       | Kubota 2014/ Renault 2007  |  | Azo dyes synthesis   |  |             |
| 136 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] (covering any of the individual stereoisomers of [1] and [2] or any combination thereof)   |                                   | vPvB      | FI       | Scania, Greylist, 20.02.2019   |  | Fragrance ingredient   |  | 15-Jun-2015 |
| 137 | 5-tert-butyl-2,4,6-trinitro-m-xylene  | 81-15-2                           | vPvB      | FI       | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007  |  | Fragrance  |  | 18-Nov-2008 |
| 138 | 6,6'-di-tert-butyl-4,4'-thiodi-m-cresol   | 96-69-5                           | D         | FI       | Included in list of substances under REACH PACT assessment<br>Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  | Elastomers / elastomeric compounds, Sealing Rubber,  |  | 1-Feb-2017  |
| 139 | 6-methoxy-m-toluidine (p-cresidine)   | 120-71-8                          | C         | FI       | Scania, Greylist, 20.02.2019   |  | Textile  |  | 19-Dec-2012 |
| 140 | 9,10-Anthracenedione, 1-[(5,7-dichloro-1,8-dihydro-2-methyl-9-oxopyrazolo[5,1-b]quinoxalin-3-yl)azo]- (Pigment Red 251)   | 74336-60-0                        | D         | FI       | Reg. (EC) No 1272/2008   |  | Azo dye  | 0.1%, Report any intentionally added content. No testing required. | 1-Feb-2009  |
|     | Acetaldehyde  | 75-07-0                           | D         | FI       | Reg. (EC) No 1272/2008   |  | Emitted substance from polymer components  |  | 10-Jan-2005 |
| 141 | Acetamide   | 60-35-5                           | D / C     | FI       | Kubota 2014/ Renault 2007  |  |  |  |             |
| 142 | Acetamide, N-methyl-  | 79-16-3                           | D         | LR       | Reg. (EC) No 1272/2008, Classified as toxic to reproduction class 2<br>Reg. (EC) No 1907/2006 (REACH Candidate List)   |  | Present in capacitors, used in automobile parts  |  | 1-Feb-2010  |
| 143 | acetone   | 67-64-1                           | M         | FI       | Renault 2007   |  |  |  |             |
| 144 | Acetonitrile  | 75-05-8                           | D         | FI       | Reg. (EC) No 1272/2008   |  | component in high-capacity capacitors  |  | 1-Feb-2008  |
| 145 | acetophenone  | 98-86-2                           | M         | FI       | Renault 2007   |  |  |  |             |
| 146 | Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.   | Several<br>231-801-5<br>236-881-5 | C         | FI       | Scania, Greylist, 20.02.2019   |  | Metal finishing, conversion coatings   |  | 5-Jan-2011  |
| 147 | Acrylamide  | 79-06-1                           | D         | LR       | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH Candidate List)   |  | Production of polyacrylamide (residual monomer)  |  | 10-Jan-2005 |
|     | Acrylonitrile   | 107-13-1                          | D         | FI       | Reg. (EC) No 1272/2008   |  | Production of plastics,<br>resins and rubbers eg. ABS (residual monomer)                     |  | 10-Jan-2005 |
| 148 | aldrin  | 309-00-2                          | P         | FI       | Kubota 2014/ Bosch 2009/ Renault 2007  |  | Bosch 2012: prohibition of use; / vegetal protection   |  |             |
| 149 | Alkyl (C7-C9), 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propanoates, mixture of branched and linear  | 127519-17-9                       | D         | FI       | Included in list of substances under REACH PACT assessment   |  | UV stabiliser in all clear laquers   |  | 1-Feb-2019  |
| 150 | alkyl(C10-16)dimethylbenzyl ammonium chlorides  | 68989-00-4                        | D         | FI       | Renault 2007   |  | Renault 2007: biocide surfactant   |  |             |
| 151 | alkyl(C12-18)dimethylbenzyl ammonium chlorides  | 68391-01-5                        | D         | FI       | Renault 2007   |  | Renault 2007: biocide surfactant   |  |             |
| 152 | alkyl(C12-18)dimethylbenzyl ammonium chlorides  | 68424-85-1                        | D         | FI       | Renault 2007   |  | Renault 2007: biocide surfactant   |  |             |
| 153 | alkyl(C12-18)dimethylethylbenzyl ammonium chlorides   | 68956-79-6                        | D         | FI       | Renault 2007   |  | Renault 2007: biocide surfactant   |  |             |
| 154 | alkyl(C8-18)dimethylbenzyl ammonium chlorides   | 63449-41-2                        | D         | FI       | Renault 2007   |  | biocide  |  |             |
| 155 | alkyldimethylbenzylammonium chloride  | 8001-54-5                         | D         | FI       | Renault 2007   |  | Renault 2007: biocide surfactant   |  |             |
| 156 | allethrin   | 584-79-2                          | D         | FI       | Renault 2007   |  |  |  |             |
| 157 | alpha, alpha', alpha''-trimethyl-1,3,5-triazine-1,3,5-(2H,4H,6H)-triethanol   | 25254-50-6                        | M         | FI       | Renault 2007   |  | Renaut 2010: Biocide   |  |             |
| 158 | alpha-endosulfan  | 959-98-8                          | D         | FI       | Renault 2007   |  |  |  |             |
| 159 | alpha-Methylstyrene   | 98-83-9                           | D         | FI       | California Proposition 65<br>Scania, Greylist, 20.02.2019  |  | Residual monomer in ABS  |  | 1-Feb-2019  |
| 160 | Aluminosilicate Refractory Ceramic Fibers   |                                   | C         | FI       | Scania, Greylist, 20.02.2019   |  | High temperature insulation and fire protection  |  | 23-Feb-2010 |
| 161 | Aluminosilicate Refractory Ceramic Fibre (RCF)  |                                   | C         | FI       | Scania, Greylist, 20.02.2019   |  |  |  | 3-Jan-2012  |
| 162 | Amines, coco alkyl  | 61788-46-3                        | D         | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  | 1-Feb-2017  |
| 163 | Amines, which can form carcinogenic Nitrosamines, selected  |                                   | D         | FI       | Legally regulated according to German TRGS 615. Limit for all secondary Amines in volatile corrosion inhibitors, which can form carcinogenic Nitrosamines. Volatile corrosion inhibitors include papers, plastic films and oils. |  | polyurethane foams, corrosion inhibitors, lubricants, rubber, colourants, herbicides         |  | 1-Feb-2006  |
|     | N,N-Diethanolamine (Ethanol, 2,2'-iminobis-)  | 111-42-2                          | D         | FI       |  |  |  |  |             |
|     | N,N-Diethylamine (Ethanamine, N-ethyl-)   | 109-89-7                          | D         | FI       |  |  |  |  |             |
|     | N,N-Di-n-propylamine (2-Propanamine, N-(1-methylethyl)-)  | 108-18-9                          | D         | FI       |  |  |  |  |             |
|     | N,N-Dimethylamine (Methanamine, N-methyl-)  | 124-40-3                          | D         | FI       |  |  |  |  |             |
|     | N,N-Di-n-propylamine (1-Propanamine, N-propyl-)   | 142-84-7                          | D         | FI       |  |  |  |  |             |

|     |   |             |                 |       |  |                           |  |       |             |
|-----|---|-------------|-----------------|-------|--|---------------------------|--|-------|-------------|
|     | N,N-Di-n-butylamine<br>(1-Butanamine, N-butyl-)   | 111-92-2    | D               | FI    |  |                           |  |       |             |
|     | N,N-Ethylphenylamine<br>(Benzenamine, N-ethyl-)   | 103-69-5    | D               | FI    |  |                           |  |       |             |
|     | N,N-Methylethylamine<br>(Ethanamine, N-methyl-)   | 624-78-2    | D               | FI    |  |                           |  |       |             |
|     | N-Methyl-N-phenylamine<br>(Benzenamine, N-methyl-)  | 100-61-8    | D               | FI    |  |                           |  |       |             |
|     | Morpholine  | 110-91-8    | D               | FI    |  |                           |  |       |             |
|     | Piperidine  | 110-89-4    | D               | FI    |  |                           |  |       |             |
|     | Pyrrolidine   | 123-75-1    | D               | FI    |  |                           |  |       |             |
| 164 | Ammonium dichromate   | 7789-09-5   | C, R, T, M, A   | FI    | Scania, Greylist, 20.02.2019; Renault 2007   |                           | Surface treatment  |       | 20-Oct-2010 |
| 165 | Ammonium heptadecafluorooctanesulphonate/ ammonium heptadecafluorooctanesulfonate, (PFOS)   | 29081-56-9  | P / C           |       |  | Kubota 2014/ Renault 2007 |  |       |             |
| 166 | Ammonium Nitrate (AN)   | 6484-52-2   | D               | FI    | The use of ammonium nitrate inflators in automotive airbags has been the reason for several recalls in the US (NHTSA Consent Order) and other markets.   |                           | Substance is present in certain pyrotechnical devices  |       | 1-Feb-2018  |
| 167 | Ammonium pentadecafluorooctanoate (APFO)  | 3825-26-1   | R, PBT          | FI    | Scania, Greylist, 20.02.2019   |                           | Photographic industry, the manufacture of semiconductors. Inpregnating agents, floor wax, paint. Process chemicals for production of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF).  |       | 19-Dec-2012 |
| 168 | Ammonium perchlorate  | 7790-98-9   | D               | FA    | Reg. (EC) No 1272/2008<br>Dir. 2007/23/EC, California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act, implemented July 1, 2006.<br><a href="http://www.dtsc.ca.gov/HazardousWaste/Perchlorate">http://www.dtsc.ca.gov/HazardousWaste/Perchlorate</a> |                           | Pyrotechnical compound   |       | 10-Jan-2005 |
| 169 | Aniline and its salts, all members  |             | D               | FI    |  | Reg. (EC) No 1272/2008    | Pigments, sulfonamides, isocyanate - plastics  |       | 10-Jan-2005 |
|     | Aniline   | 62-53-3     | D               | FI    |  |                           |  |       | 10-Jan-2005 |
|     | Aniline chloride  | 142-04-1    | D               | FI    |  |                           |  |       | 10-Jan-2005 |
|     | Anilinetrifluoroboron   | 660-53-7    | D               | FI    |  |                           |  |       | 10-Jan-2005 |
|     | Benzenamine sulfate (2:1)   | 542-16-5    | D               | FI    |  |                           |  |       | 10-Jan-2005 |
|     | Salts from 2,2'-Dichloro-4,4'-methyldianiline   |             | D               | FI    |  |                           |  |       |             |
|     | 3,5-Dichloro-4-(1,1,2,2-Tetrafluoroethoxy)Aniline   | 104147-32-2 | D               | FI    |  |                           |  | 0,10% | 1-Feb-2010  |
|     | Salts from 4,4'-Carbonimidoylbis(N,N-dimethylanilin)  |             | D               | FI    |  |                           |  |       |             |
| 170 | Aniline hydrochloride   | 142-04-1    | D / C           |       |  | Kubota 2014/ Renault 2007 |  |       |             |
| 171 | Anthracene  | 120-12-7    | P / C           | FI    | Scania 2014/ Kubota 2014/ Bosch 2009   |                           | Scania 2014; Filling material, Carbon Black; Bosch 2012: 0,1, however prohibited for developing new materials or material alterations; Tar-containing wood impregnation, cocatalytic dyes, arched tape, tar-containing sealing materials, tar, tar oil, soiling in black pigments (carbon black), intermediate product for anthracene-9-aldehyde and anthraquinone, Ford, 2010: all products |       |             |
| 172 | Anthracene oil  | 90640-80-5  | C, PBT, vPvB    | FI    | Scania, Greylist, 20.02.2019   |                           | Manufacturing of anthracene and carbon black   |       | 23-Feb-2010 |
| 173 | Anthracene oil, anthracene paste  | 90640-81-6  | C, PBT, M, vPvB | FI    | Scania, Greylist, 20.02.2019   |                           |  |       | 23-Feb-2010 |
| 174 | Anthracene oil, anthracene paste, anthracene fraction   | 91995-15-2  | C, M, PBT, vPvB | FI    | Scania, Greylist, 20.02.2019   |                           |  |       | 23-Feb-2010 |
| 175 | Anthracene oil, anthracene paste, distn. Lights   | 91995-17-4  | C, M, PBT, vPvB | FI    | Scania, Greylist, 20.02.2019   |                           |  |       | 23-Feb-2010 |
| 176 | Anthracene oil, anthracene-low  | 90640-82-7  | C, M, PBT, vPvB | FI    | Scania, Greylist, 20.02.2019   |                           |  |       | 23-Feb-2010 |
| 177 | antimony  | 7440-36-0   | M / C           | FI    | Kubota 2014/ Renault 2007  |                           |  |       |             |
| 178 | Antimonytrioxide (Diantimonytrioxide)   | 1309-64-4   | D               | FI    | Reg. (EC) No 1272/2008   |                           | Flame retardant synergist for plastics and rubber/latex, capacitor, friction material component  |       | 10-Jan-2005 |
| 179 | Aromatic amines, selected   |             | D               | FI/LR | Reg. (EC) No 1272/2008<br>Reg. (EC) No 1907/2006 (REACH)   |                           | Impurities in textile and leather paints, antioxidants in lubricants, rubber/latex, plastics   |       |             |
|     | N-Phenyl-2-naphthylamine  | 135-88-6    | D               | FI    | Reg. (EC) No 1272/2008, toxic to aquatic organisms (R51)   |                           |  |       |             |
|     | Diethylmethylbenzenediamine   | 68479-98-1  | D               | FI    | Reg. (EC) No 1272/2008, very toxic to aquatic organisms (R50)  |                           |  |       |             |
|     | Bis(methylthio)toluenediamine   | 106264-79-3 | D               | FI    | Reg. (EC) No 1272/2008, very toxic to aquatic organisms (R50)  |                           |  |       |             |
|     | Diphenylamine   | 122-39-4    | D               | FI    | Reg. (EC) No 1272/2008, very toxic to aquatic organisms (R50)  |                           |  |       |             |
|     | 1,3-benzenediamine, 4,6-diethyl-2-methyl-   | 2095-01-4   | D               | FI    | Reg. (EC) No 1272/2008, very toxic to aquatic organisms (R50)  |                           |  |       |             |
|     | 1,3-benzenediamine, 2,4-diethyl-6-methyl-   | 2095-02-5   | D               | FI    | Reg. (EC) No 1272/2008, toxic to aquatic organisms (R51)   |                           |  |       |             |
|     | O-toluidine, 4-chloro-, hydrochloride   | 3165-93-3   | D               | FI    | Reg. (EC) No 1272/2008, may cause cancer (class 2), possible risks of irreversible effects (class 3), very toxic to aquatic organisms (R50)  |                           |  |       |             |
|     | 2,4-Diaminoanisole sulphate<br>(1,3-Benzenediamine, 4-methoxy-, sulfate (1:1))  | 39156-41-7  | D               | FI    | Reg. (EC) No 1272/2008, may cause cancer (class 2), possible risks of irreversible effects (class 3), toxic to aquatic organisms (R51)<br>Reg. (EC) No 552/2009  |                           |  |       |             |
|     | Benzenamine, 2-methyl-5-nitro-, monohydrochloride   | 51085-52-0  | D               | FI    | Reg. (EC) No 1272/2008, may cause cancer (class 2), possible risks of irreversible effects (class 3)<br>Reg. (EC) No 552/2009  |                           |  |       |             |
|     | 3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)anilin  | 104147-32-2 | D               | FI    | Reg. (EC) No 552/2009  |                           |  |       |             |
|     | 4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phenyl[methylene]cyclohexa-2,5-dien-1-ylidene dimethylammonium chloride (C.I. Basic Blue 26) | 2580-56-5   | D               | LR    | Reg. (EC) No 1907/2006<br>List)<br>(REACH Candidate  |                           | Possible ink component for labels  |       | 1-Feb-2013  |
|     | Methanaminium, n-[4-bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-n-methyl-, chloride; C.I. Basic Violet 3        | 548-62-9    | D               | LR    | EU No 1272/2008 (CLP): Classification: Suspected of causing cancer, Carc. 2; H351; Harmful if swallowed; Acute Tox. 4; H302<br>Reg. (EC) No 1907/2006<br>(REACH Candidate List)  |                           | Ink component on labels.   |       | 1-Feb-2013  |
|     | Benzenamine, 4-[(4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl]-, monohydrochloride   | 569-61-9    | D               | FI    | Substance is listed on the RoI list for REACH Annex XIV  |                           |  |       |             |



| Artenname  | Reg. (EC) No        | D/P        | FA/LR        | Reg. (EC) No 1272/2008<br>Reg. (EC) No 552/2009<br>Reg. (EC) No 1907/2006 (REACH)          | selected, see list below        | REACH Authorisation Sunset Date        | Paints, smelted materials, biocides (including wood treatment), leather and textile finishes, glasses, pyrotechnic objects, metal finishes, electronics        | 0.01% (unless present in metals & alloys, then the declaration limit is 0.05%).            | 10-Jan-2005        |
|--|---------------------|------------|--------------|--|---------------------------------|--|--|--|--------------------|
| <b>Artenname</b>   | <b>Reg. (EC) No</b> | <b>D/P</b> | <b>FA/LR</b> | <b>Reg. (EC) No 1272/2008<br/>Reg. (EC) No 552/2009<br/>Reg. (EC) No 1907/2006 (REACH)</b> | <b>selected, see list below</b> | <b>REACH Authorisation Sunset Date</b> | <b>Paints, smelted materials, biocides (including wood treatment), leather and textile finishes, glasses, pyrotechnic objects, metal finishes, electronics</b> | <b>0.01% (unless present in metals &amp; alloys, then the declaration limit is 0.05%).</b> | <b>10-Jan-2005</b> |
| Cadmium arsenide (Cd3As2)  | 12006-15-4          | D/P        | LR           |  |                                 |  |  |  | 1-Feb-2014         |
| Chromium arsenide (Cr2As)  | 12254-05-2          | D          | FA           |  |                                 |  |  |  | 1-Feb-2014         |
| Lead arsenate  | 3687-31-8           | D/P        | LR           |  |                                 |  |  |  | 1-Feb-2014         |
| Lead arsenate  | 7784-40-9           | D/P        | LR           |  |                                 |  |  |  | 1-Feb-2014         |
| Lead arsenate (Pb3(AsO4)2)   | 10102-48-4          | D/P        | LR           |  |                                 |  |  |  | 1-Feb-2014         |
| Lead arsenate, unspecified   | 7645-25-2           | D/P        | LR           |  |                                 |  |  |  | 1-Feb-2014         |
| Lead arsenite  | 10031-13-7          | D/P        | LR           |  |                                 |  |  |  | 1-Feb-2014         |
| Marsenic arsenate  | 7794-07-4           | D/P        | LR           |  |                                 |  |  |  | 1-Feb-2014         |
| 2,6-Dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate                 | 84282-36-0          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| 2,6-Dimethyl-4-phenylpyrylium hexafluoroarsenate                       | 84304-15-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| 4-Cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate                   | 84304-16-5          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| 6,6'-Dihydroxy-3,3'-diarsene-1,2-diydianilinium dichloride             | 139-93-5            | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Aluminum arsenide (AlAs)   | 22831-42-1          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Aluminum gallium arsenide ((Al,Ga)As)                                  | 37382-15-3          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Ammonium arsenate  | 7784-44-3           | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Ammonium-magnesium-arsenat   | 14644-70-3          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Antimony arsenate  | 28980-47-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Antimony arsenic oxide   | 64475-90-7          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Antimony arsenite (Sb3As)  | 12255-36-6          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenargenitite (Ag3As)  | 12417-99-1          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenate(1-), hexafluoro-, hydrogen                                    | 17068-85-8          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenate(1-), hexafluoro-, lithium                                     | 29935-35-1          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenate(1-), hexafluoro-, potassium                                   | 17029-22-0          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenous acid, lithium salt  | 72845-34-2          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid   | 1327-52-2           | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid   | 7778-39-4           | D          | LR           | Reg. (EC) No 1907/2006 (REACH Candidate List)  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), ammonium copper(2+) salt (1:1:1)                | 32680-29-8          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), barium salt (2:3)                               | 13477-04-8          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), bismuth salt (1:1:1)                            | 13702-38-0          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), cobalt(2+) salt (2:3)                           | 24719-19-5          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), copper salt                                     | 10103-61-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), copper(2+) salt (2:3)                           | 7778-41-8           | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), dipotassium salt                                | 21093-83-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), magnesium salt, manganese-doped                 | 102110-21-4         | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), monoammonium salt                               | 13482-93-6          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), strontium salt (2:3)                            | 13464-68-1          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), trillithium salt                                | 13478-14-3          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid (H3AsO4), trisilver(1+) salt                              | 13510-44-6          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid, lead (4+) salt   | 53404-12-9          | D/P        | LR           | Dir. 2000/53/EC  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic acid, trisodium salt   | 13464-38-5          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic bromide  | 64973-06-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic bromide  | 7784-33-0           | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic chloride   | 37226-49-6          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsino thioxo  | 12044-79-0          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic sulfide (As2S2)  | 56320-22-0          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic pentoxide  | 1303-28-2           | D/P        | LR           | Reg. (EC) No 1907/2006 (REACH Annex XIV)<br>Reg. (EU) No 528/2012                          | 21-May-15                       | REACH Authorisation Sunset Date        |  |  | 10-Jan-2005        |
| Arsenic selenide (As2Se3)  | 1303-36-2           | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic sulfide  | 12612-21-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic sulfide (As2S4)  | 12344-68-2          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic telluride (As2Te3)   | 12044-54-1          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic trichloride  | 60646-36-8          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic trioxide   | 1327-53-3           | D/P        | LR           | Reg. (EC) No 1907/2006 (REACH Annex XIV)   | 21-May-15                       | REACH Authorisation Sunset Date        |  |  | 10-Jan-2005        |
| Arsenic trisulfide   | 1303-33-9           | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenic, elemental   | 7440-38-2           | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenopyrite, cobaltoan  | 12414-94-7          | D          | FA           |  |                                 |  |  |  | 1-Feb-2012         |
| Arsenous acid, trisodium salt  | 13464-37-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenous trichloride   | 7784-34-1           | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Arsenous triiodide   | 7784-45-4           | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Barium arsenide (Ba3As2)   | 12255-50-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Benzenediazonium, 3-methyl-4-(1-pyrrolidinyl)-, hexafluoroarsenate(1-) | 27569-09-1          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Benzenediazonium, 4-(diethylamino)-2-ethoxy-, hexafluoroarsenate(1-)   | 63217-33-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Benzenediazonium, 4-(ethylamino)-2-methyl-, hexafluoroarsenate(1-)     | 63217-32-3          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Benzenesulfonic acid, 4-arseno-  | 71130-51-3          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Benzenesulfonic acid, 4-arseno-, sodium salt                           | 71130-50-2          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Boron(1+), bis(2,4-pentanedionato-O,O'), (T-4), hexafluoroarsenate(1-) | 68892-01-3          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Calcium arsenate   | 10103-62-5          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Calcium arsenate   | 7778-44-1           | D          | LR           | Reg. (EC) No 1907/2006 (REACH Candidate List)  |                                 |  |  |  | 10-Jan-2005        |
| Calcium arsenide (Ca3As2)  | 12255-53-7          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Calcium arsenite   | 52740-16-6          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Calcium arsenite (2:1)   | 15194-98-6          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Calcium arsenite (2:3)   | 27152-57-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Cobalt arsenide (CoAs)   | 27016-73-5          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Cobalt arsenide (CoAs2)  | 12044-42-7          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Cobalt arsenite (CoAs3)  | 12256-04-1          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Copper acetoarsenite   | 12032-03-8          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Copper arsenate  | 29871-13-4          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Copper arsenate hydroxide (Cu2(AsO4)(OH))                              | 12774-48-0          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Copper arsenide (Cu3As)  | 12005-75-3          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Copper arsenite  | 10290-12-7          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Copper arsenite  | 33382-64-8          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |
| Copper diarsenite  | 16509-22-1          | D          | FA           |  |                                 |  |  |  | 10-Jan-2005        |

|  |  |             |     |    |   |  |             |
|--|--|-------------|-----|----|---|--|-------------|
|  | <b>Diarsenic acid</b>  | 13453-15-1  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Diphenyldiarsenic acid</b>  | 4519-32-8   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Disodium hydrogen arsenate (Arsenic acid (H3AsO4), disodium salt, heptahydrate)</b> | 10048-95-0  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Disodium hydrogen arsenate (Arsenic acid (H3AsO4), sodium salt (1:2))</b>           | 7778-43-0   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Dysprosium arsenide (DyAs)</b>  | 12005-81-1  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Erbium arsenide (ErAs)</b>  | 12254-88-5  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Europium arsenide (EuAs)</b>  | 32775-46-5  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Ferric arsenate</b>   | 10102-49-5  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Ferric arsenite</b>   | 63989-89-5  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Ferrous arsenate</b>  | 10102-50-8  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Gadolinium arsenide (GdAs)</b>  | 12005-89-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Gallium arsenide</b>  | 1303-00-0   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Gallium arsenide phosphide</b>  | 106097-61-4 | D   | FA |   |  | 1-Feb-2013  |
|  | <b>Digallium arsenide phosphide</b>  | 12044-20-1  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Gallium zinc triarsenide</b>  | 98106-56-0  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Germanium arsenide (GeAs)</b>   | 12271-72-6  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Holmium arsenide (HoAs)</b>   | 12005-92-4  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Indium arsenide (InAs)</b>  | 1303-11-3   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Iodonium, diphenyl-, hexafluoroarsenate(1-)</b>                                     | 62613-15-4  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Iron arsenide (Fe2As)</b>   | 12005-88-8  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Iron arsenide (FeAs)</b>  | 12044-16-5  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Iron arsenite (FeAs2)</b>   | 12006-21-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Lanthanum arsenide (LaAs)</b>   | 12255-04-8  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Lithium arsenide (Li3As)</b>  | 12044-22-3  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Lutetium arsenide (LuAs)</b>  | 12005-94-6  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Magnesium arsenate</b>  | 10103-50-1  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Magnesium arsenide (Mg3As2)</b>   | 12044-49-4  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Manganese arsenide (Mn2As)</b>  | 12005-96-8  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Manganese arsenide (MnAs)</b>   | 12005-95-7  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Manganese hydrogenarsenate</b>  | 7784-38-5   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Metaarsenic acid</b>  | 10102-53-1  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Methylum, triphenyl-, hexafluoroarsenate(1-)</b>                                    | 437-15-0    | D   | FA |   |  | 10-Jan-2005 |
|  | <b>N-(p-Arsenosophenyl)-1,3,5-triazine-2,4,6-triamine</b>                              | 21840-08-4  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Neodymium arsenide (NdAs)</b>   | 12255-09-3  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Nickel arsenide (NiAs)</b>  | 27016-75-7  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Nickel diarsenide</b>   | 12088-61-0  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Niobium arsenide (NbAs)</b>   | 12255-08-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Platinum arsenide (PtAs2)</b>   | 12044-52-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Potassium arsenate</b>  | 7784-41-0   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Potassium arsenide (K3As)</b>   | 12044-21-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Potassium arsenite</b>  | 10124-50-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Potassium arsenite</b>  | 13464-05-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Praseodymium arsenide (PrAs)</b>  | 12044-28-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Rammelsbergite (NiAs2)</b>  | 1303-22-6   | D   | FA |   |  | 1-Feb-2012  |
|  | <b>Samarium arsenide (SmAs)</b>  | 12255-39-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Silicic acid (H4SiO4), tetraethyl ester, polymer with arsenic oxide(As2O3)</b>      | 68957-75-5  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Silicon(1+), tris(2,4-pentanedionate-O,O'), (OC-6-11)-, hexafluoroarsenate(1-)</b>  | 67251-38-1  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Silver arsenide (Ag2As)</b>   | 70333-07-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Sodium arsenate</b>   | 7631-89-2   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Sodium arsenide (Na3As)</b>   | 12044-25-6  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Sodium arsenite</b>   | 7784-46-5   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Sodium metaarsenate</b>   | 15120-17-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Strontium arsenide (Sr3As2)</b>   | 39287-24-0  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Strontium arsenite</b>  | 15195-06-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Strontium arsenite</b>  | 91724-16-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Strychnidin-10-one, arsenite (1:1)</b>  | 100258-44-4 | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Strychnine arsenate</b>   | 10476-82-1  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Sulfonium, triphenyl-, hexafluoroarsenate(1-)</b>                                   | 57900-42-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Terbium arsenide (TbAs)</b>   | 12006-08-5  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Thallium arsenide (TlAs)</b>  | 12006-09-6  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Thallium triarsenide</b>  | 84057-85-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Thulium arsenide (TmAs)</b>   | 12006-10-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Triammonium arsenate</b>  | 24719-13-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Triethyl arsenate</b>   | 15606-95-8  | D   | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |  | 1-Feb-2012  |
|  | <b>Triethyl arsenite</b>   | 3141-12-6   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Trimanganese arsenide</b>   | 61219-26-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Trinickel bis(arsenate)</b>   | 13477-70-8  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Tris[(8a)-6'-methoxycinchonan-9(R)-ol] arsenite</b>                                 | 94138-87-1  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Tris[(8a,9R)-6'-methoxycinchonan-9-ol] bis(arsenate)</b>                            | 549-59-7    | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Vanadium(4+) diarsenate (1:1)</b>   | 99035-51-5  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Ytterbium arsenide (YbAs)</b>   | 12006-12-1  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Yttrium arsenide (YAs)</b>  | 12255-48-0  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Zinc arsenate oxide (Zn5(AsO4)O3), tetrahydrate</b>                                 | 1303-39-5   | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Arsenic acid (H3AsO4), zinc salt (2:3)</b>  | 13464-44-3  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Zinc arsenide (Zn3As2)</b>  | 12006-40-5  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Zinc arsenide (ZnAs2)</b>   | 12044-55-2  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Zinc arsenite</b>   | 10326-24-6  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Zirconium arsenide (ZrAs)</b>   | 60909-47-9  | D   | FA |   |  | 10-Jan-2005 |
|  | <b>Arsorous acid</b>   | 13464-58-9  | D   | FA |   |  | 1-Feb-2009  |
|  | <b>Arsin</b>   | 7784-42-1   | D   | FA |   |  | 1-Feb-2009  |
|  | <b>Diphenoarsin-10-yloxid</b>  | 58-36-6     | D/P | LR | Reg. (EU) No 528/2012                         |  | 1-Feb-2009  |
|  | <b>Trisilverarsenite</b>   | 7784-08-9   | D   | FA |   |  | 1-Feb-2009  |

|     |   |             |       |       |   |  |  |   |                                 |             |
|-----|---|-------------|-------|-------|---|--|--|---|---------------------------------|-------------|
| 180 | arsenic pentaoxide; Diarsenic pentaoxide            | 1303-28-2   | D / C |       | Scania 2014/ Kubota 2014/ Renault 2007  |  |  | Scania 2014: Wood preservative, drying agent; Bosch 2012: 0,1, however prohibited for developing new materials or material alterations; / baktericide, biocide; Bosch, 2010: Glass making; wood preservatives, preservative agents in the leather industr; rat poison, intermediate product for the production of other arsenic compounds; Scania 2010: wood preservative, drying agent |                                 |             |
| 181 | Arsenic trioxide; Diarsenic trioxide                | 1327-53-3   | D / C | FI    | Scania 2014/ Kubota 2014/ Renault 2007  |  |  | Scania 2014: Wood preservative, drying agent; Bosch 2012: 0,1, however prohibited for developing new materials or material alterations; Glass making, wood preservatives, preservative agents in the leather industr; rat poison, intermediate product for the production of other arsenic compounds; Scania 2010: wood preservative, drying agent                                      |                                 |             |
| 182 | Asbestos fibers, all members                        |             | P     | LR    | Reg. (EC) No 552/2009<br>Definition of asbestos fiber for counting purpose by OSHA in 1992 : Particle with a length >5 µm, a diameter of <3µm and aspect ratio(length : width)>3 : 1  |  |  | Friction pads, gaskets, insulations   | Any intentionally added content | 10-Jan-2005 |
|     | Asbestos, actinolite                                | 77536-66-4  | P     | LR    |   |  |  |   |                                 | 10-Jan-2005 |
|     | Asbestos, amosite                                   | 12172-73-5  | P     | LR    |   |  |  |   |                                 | 10-Jan-2005 |
|     | Asbestos, anthophyllite                             | 77536-67-5  | P     | LR    |   |  |  |   |                                 | 10-Jan-2005 |
|     | Asbestos, chrysotile                                | 12001-29-5  | P     | LR    |   |  |  |   |                                 | 10-Jan-2005 |
|     | Asbestos, crocidolite                               | 12001-28-4  | P     | LR    |   |  |  |   |                                 | 10-Jan-2005 |
|     | Asbestos, Tremolite                                 | 77536-68-6  | P     | LR    |   |  |  |   |                                 | 10-Jan-2005 |
| 183 | Asbestos minerals, all members                      |             | D/P   | FI/LR | Potential to form Asbestos fibers (see entry Asbestos fibers)   |  |  | Friction pads, gaskets, insulations   | Any intentionally added content | 1-Feb-2007  |
|     | Asbestos  | 1332-21-4   | D     | FI    |   |  |  |   |                                 | 10-Jan-2005 |
|     | Actinolite  | 13768-00-8  | D     | FI    |   |  |  |   |                                 | 1-Feb-2007  |
|     | Tremolite   | 14567-73-8  | D     | FI    |   |  |  |   |                                 | 1-Feb-2007  |
|     | Anthophyllite                                       | 17088-78-9  | D     | FI    |   |  |  |   |                                 | 1-Feb-2007  |
|     | Actinolite  | 12172-67-7  | D     | FI    |   |  |  |   |                                 | 1-Feb-2007  |
|     | Chrysotile  | 132207-32-0 | P     | LR    | Reg. (EC) No 552/2009   |  |  |   |                                 | 10-Jan-2005 |
|     | Crocidolite   | 132207-33-1 | D     | FI    |   |  |  |   |                                 | 10-Jan-2005 |
| 184 | Azocolourants and Azodyes                           | Several     | C,E,A |       | Scania, Blacklist, 20.02.2019   |  |  | Textile Leather   |                                 | 17-Oct-2007 |
| 185 | Azodyes that can form carcinogenic amines, selected |             | D/P   | LR    | Reg. (EC) No 552/2009, Reg. (EC) No 1907/2006 (REACH), TRGS 614<br>A list of affected azo dyes has been prepared by an industrial association (TEGEWA), see List A in <a href="http://www.tegewa.de/uploads/media/2001_Azofarbstoffe_ge_maess_TRGS_614.pdf">http://www.tegewa.de/uploads/media/2001_Azofarbstoffe_ge_maess_TRGS_614.pdf</a> |  |  | In dyes for textiles and leather articles   |                                 | 1-Feb-2015  |
|     | C.I. Acid Black 29                                  | 12217-14-0  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Black 94, C.I.30336                       | 6358-80-1   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Black 131                                 | 12219-01-1  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Black 132                                 | 12219-02-2  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Black 209                                 | 72827-68-0  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Brown 415                                 | 97199-27-4  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Orange 45, C.I.22195                      | 2429-80-3   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 4, C.I.14710                          | 5858-39-9   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 5, C.I.14905                          | 5858-83-9   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 24, C.I.16140                         | 5858-30-0   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 35, C.I.18065                         | 6441-93-6   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 85, C.I.22245                         | 3567-65-5   | P     | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 104, C.I.26420                        | 8006-06-2   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 114, C.I.23635                        | 6459-94-5   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 115, C.I.27200                        | 8005-61-6   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 116, C.I.26660                        | 6245-62-1   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 119-1                                 | 90880-75-4  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 128, C.I.24125                        | 6548-30-7   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 148, C.I.26665                        | 6300-53-4   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 150, C.I.27190                        | 6226-78-4   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 158, C.I.20530                        | 8004-55-5   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 167                                   | 61901-41-5  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 254, C.I.18133                        | 6505-36-0   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Red 265, C.I.18129                        | 6358-43-6   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Acid Violet 12, C.I.18075                      | 6625-46-3   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Basic Brown 4, C.I.21010                       | 5421-66-9   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Basic Red 42                                   | 12221-66-8  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Basic Red 76, C.I.12245                        | 68391-30-0  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Basic Red 111                                  | 118658-98-3 | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Basic Yellow 82                                | 12227-67-7  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Black 4, C.I.30245                      | 2429-83-6   | P     | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Black 29, C.I.22580                     | 3626-23-1   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Black 38, C.I.30235                     | 1937-37-7   | P     | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Black 154                               | 37372-50-2  | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 1, C.I.24410                       | 2610-05-1   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 2, C.I.22990                       | 2429-73-4   | P     | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 3, C.I.23705                       | 2429-72-3   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 6, C.I.22610                       | 2602-46-2   | P     | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 8, C.I.24140                       | 2429-71-2   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 9, C.I.24155                       | 6428-98-4   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 10, C.I.24340                      | 4198-19-0   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 14, C.I.23630                      | 7257-1      | P     | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 15, C.I.24400                      | 2429-74-5   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 21, C.I.23710                      | 6420-09-3   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 22, C.I.24280                      | 2586-57-4   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 25, C.I.23790                      | 2150-54-1   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 35, C.I.24145                      | 6473-33-2   | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |
|     | C.I. Direct Blue 151, C.I.24175                     | 110735-25-6 | D/P   | LR    | TRGS 614  |  |  |   |                                 | 1-Feb-2015  |

|     |   |             |       |       |  |                                |  |  |  |   |            |             |
|-----|---|-------------|-------|-------|--|--------------------------------|--|--|--|---|------------|-------------|
|     | C.I. Direct Blue 160  | 12222-02-5  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Blue 173  | 12235-72-2  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Blue 192  | 71838-51-2  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Blue 215, C.I.24415   | 6771-80-8   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Blue 285, C.I.23820   | 6420-22-0   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 1, C.I.30045  | 3811-71-0   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 1:2, C.I.30110  | 2586-58-5   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 2, C.I.22311  | 2429-82-5   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 6, C.I.30140  | 2893-80-3   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 25, C.I.36300   | 33363-87-0  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 27, C.I.31725   | 6360-29-8   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 31, C.I.36560   | 2329-81-4   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 33, C.I.35520   | 1324-87-4   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 51, C.I.31710   | 4623-91-0   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 59, C.I.22345   | 3476-90-2   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 74, C.I.36300   | 8014-91-3   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 79, C.I.30050   | 6483-77-8   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 85, C.I.30145   | 16071-86-6  | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 101, C.I.31740  | 3626-29-7   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 154, C.I.30120  | 6360-54-9   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 222, C.I.30368  | 64743-15-3  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Brown 223   | 76930-14-8  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Green 1, C.I.30290  | 3626-28-6   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Green 6, C.I.30285  | 4305-09-5   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Green 8, C.I.30315  | 5422-17-3   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Green 8:1   | 76012-70-9  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Green 85, C.I.30387   | 72390-60-4  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Orange 1, C.I.22370   | 54579-28-1  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Orange 6  | 6637-88-3   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Orange 7, C.I.23380   | 2858-76-0   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Orange 8, C.I.22130   | 2429-79-0   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Orange 10, C.I.23370  | 6405-94-3   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Orange 108, C.I.29173   | 6358-79-8   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 1, C.I.22310  | 2429-84-7   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 2, C.I.23500  | 992-59-6    | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 7, C.I.24100  | 2868-75-9   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 10, C.I.22145   | 2429-70-1   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 13, C.I.22155   | 1937-25-5   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 17, C.I.22150   | 2769-07-5   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 21, C.I.23560   | 6406-01-5   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 22, C.I.23565   | 6448-80-2   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 24, C.I.29185   | 6420-44-6   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 26, C.I.29190   | 3687-80-7   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 28, C.I.22120   | 573-58-0    | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 37, C.I.22240   | 3530-19-6   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 39, C.I.23630   | 6358-29-8   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 44, C.I.22500   | 2302-97-8   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 46, C.I.23050   | 6548-29-4   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 62, C.I.29175   | 6420-43-5   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 67, C.I.23305   | 6598-56-7   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Red 72, C.I.29200   | 8005-84-9   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Violet 1, C.I.22570   | 2586-60-9   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Violet 4, C.I.22555   | 6472-95-3   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Violet 12, C.I.22550  | 2429-75-6   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Violet 13, C.I.2480   | 13478-92-7  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Violet 21, C.I.23520  | 6470-45-7   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Violet 22, C.I.22480  | 6426-87-1   | P     | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Yellow 1, C.I.22250   | 6472-91-9   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Yellow 24, C.I.22010  | 6486-29-9   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Direct Yellow 48, C.I.23660  | 6459-97-8   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Disperse Orange 60   | 12270-44-9  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Disperse Orange 149  | 151126-94-2 | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Disperse Red 151, C.I.26130  | 61968-47-6  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Disperse Red 221   | 64426-35-3  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Disperse Yellow 7, C.I.26090   | 6300-37-4   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Disperse Yellow 23, C.I.26070  | 6250-23-3   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Disperse Yellow 56   | 54077-16-6  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Disperse Yellow 218  | 83929-90-2  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Mordant Yellow 16  | 8003-87-0   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Red 1, C.I.12150   | 1229-55-6   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Red 19, C.I.26050  | 6388-72-5   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Red 23, C.I.26100  | 85-86-9     | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Red 24, C.I.26105  | 85-83-6     | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Red 26, C.I.26120  | 4477-79-6   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Red 68   | 61813-90-9  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Red 69, C.I.27290  | 5413-75-2   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Red 164  | 71819-51-7  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Red 215  | 85203-90-3  | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
|     | C.I. Solvent Yellow 72  | 4645-07-2   | D/P   | LR    |  | TRGS 614                       |  |  |  |   | 1-Feb-2015 |             |
| 186 | Trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-) | 118685-33-9 | P     | LR    |  | Reg. (EC) No 1907/2006 (REACH) |  |  |  |   | 1-Feb-2015 |             |
| 187 | Barium chromate (VI)  | 10294-40-3  | P / R | FI    |  | Kubota 2014/ Renault 2007      |  |  |  |   |            |             |
| 188 | Barium compounds (organic or water soluble), selected   |             | D     | Fl/FA |  | Reg. (EC) No 1272/2008         |  |  |  | Colour pigments, stabilizers for PVC, lubricant additives | 1%         | 10-Jan-2005 |
|     | Barium  | 7440-39-3   | D     | FI    |  |                                |  |  |  |   |            | 10-Jan-2005 |
|     | Barium 2-(2-hydroxy-3,6-disulphonato-1-naphthylazo) benzoate (3:2)                                    | 15782-06-6  | D     | FI    |  |                                |  |  |  |   |            | 10-Jan-2005 |
|     | Barium 4-(5-chloro-4-methyl-2-sulphonatophenylazo)-3-hydroxy-2-naphthoate                             | 7585-41-3   | D     | FI    |  |                                |  |  |  |   |            | 10-Jan-2005 |

|     |  |            |              |    |  |  |  |  |   |             |
|-----|--|------------|--------------|----|--|--|--|--|---|-------------|
|     | Barium 4-(1,1-dimethylethyl)benzoate   | 10196-68-6 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium bis 5-chloro-4-ethyl-2-(2-hydroxy-1-naphthyl)azo benzene sulfonate  | 67801-01-8 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium bis(2-ethylhexanoate)   | 2457-01-4  | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium bis(dinonylnaphthalenesulphonate)   | 25619-56-1 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium bis(nonylphenolate)   | 28987-17-9 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium distearate  | 6865-35-6  | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium oxide, obtained by calcining witherite  | 1304-28-5  | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium(2+) hydrogen 2-(2-hydroxy-3,6-disulphonato-1-naphthyl)azo benzate   | 1325-16-2  | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-chlorate  | 13477-00-4 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-chloride  | 10361-37-2 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-cyanide   | 542-62-1   | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-dilaurate   | 4696-57-5  | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-dioleate  | 591-65-1   | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-fluoride  | 7787-32-8  | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-hydroxide   | 17194-00-2 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-hydroxide-octahydrate   | 12230-71-6 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-neodecanoate  | 55172-98-0 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-nitrate   | 10022-31-8 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-perchlorate   | 13465-95-7 | D            | FA | California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act, implemented July 1, 2006. <a href="http://www.dtsc.ca.gov/HazardousWaste/Perchlorate">http://www.dtsc.ca.gov/HazardousWaste/Perchlorate</a>   |  |  |  |   | 10-Jan-2005 |
|     | Barium-permanganate  | 7787-36-2  | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-peroxide  | 1304-29-6  | D            | FI |  |  |  |  |   | 10-Jan-2005 |
|     | Barium-sebacate  | 19856-32-7 | D            | FI |  |  |  |  |   | 10-Jan-2005 |
| 189 | Naphthenic acid, Barium salts  | 61789-67-1 | D            | FI | EU-R 1272/2008/EEC, classified as toxic  |  |  |  |   | 1-Feb-2010  |
| 190 | basic lead acetate   | 1335-32-6  | P / R        | FI | Kubota 2014/ Renault 2007  |  |  | Renault 2007: PVC stabilizer   |   |             |
| 191 | Benz(a)anthracene (BaA)  | 56-55-3    | P / C        | FI | Kubota 2014/ Bosch 2009/ Renault 2007  |  |  | Bosch 2012: From 1 January 2010 in plasticizer oils for the manufacturing of tyres or tyre components with exceptions: occurring in incomplete combustion; / T, Carc. Cat. 2; organic materials pyrolysis; Bosch, 2010: incomplete combustion (carbon black) |   |             |
| 192 | Benz(a)anthracene  | 56-55-3    | C, PBT, vPvB | FI | Scania, Greylist, 20.02.2019   |  |  | Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.  |   | 15-Jan-2018 |
| 193 | Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST)   | 68921-45-9 | D            | FI | Canadian Government has revised the regulation prohibiting BNST and removed any controls on the substance. The government has concluded BNST is not likely entering the environment in quantities or in a manner to impact human health or the environment. The government has not yet removed BNST from Schedule 1 of the Canadian Environment Protection Act.<br>Reg. (EC) No 552/2009 |  |  | 0.1%, Report any intentionally added content. No testing required.   |   | 1-Feb-2009  |
| 194 | Benzene  | 71-43-2    | P            | LR | Reg. (EC) No 552/2009  |  |  | Raw material/contaminant in other chemicals  | 0.1% for physical solid state parts                 | 10-Jan-2005 |
|     | Benzene  | 71-43-2    | D            | FA | Directive 98/70/EC   |  |  | Fuel constituent   | 1% in fuels   |             |
| 195 | Benzene, 1-(1,1-dimethylethyl)-3,5-dimethyl-2,4,6-trinitro- (Musk xylene)  | 81-15-2    | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  |   | 1-Feb-2017  |
| 196 | Benzene/ Gum containing benzene, in which the volume of contained benzene exceeds 5% of the solvent (including diluents) of the said gum   | 71-43-2    | P            | FI | Ford 2013/ Volvo 2012/ Volvo 2014/ Renault 2007  |  |  | Bosch 2012: From 1 January 2010 in plasticizer oils for the manufacturing of tyres or tyre components with exceptions: occurring in incomplete combustion; / T, Carc. Cat. 2; organic materials pyrolysis; Bosch, 2010: incomplete combustion (carbon black) |   |             |
| 197 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride ((trimellitic anhydride) (TMA))   | 552-30-7   | A            | FI | Scania, Greylist, 20.02.2019   |  |  | Used in the manufacture of esters and polymers   |   | 27-Jun-2018 |
| 198 | Benzenemethanaminium, N-ethyl-N-[4-[4-ethyl[[3-sulphophenyl)methyl]amino]phenyl](2-sulphophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, disodium salt | 3844-45-9  | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  |   | 1-Feb-2017  |
|     | Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 1,2-ethanediybis(oxy-2,1-ethanediy) ester  | 36443-68-2 | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  |   | 1-Feb-2017  |
|     | Benzenesulfonic acid, [[4-[4-(phenylamino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]phenyl]amino]- (Pigment Blue 61)  | 1324-76-1  | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  |   | 1-Feb-2017  |
|     | Benzenesulfonic acid, C10-16-alkyl derivs, compds. with 2-propanamine  | 68584-24-7 | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  |   | 1-Feb-2017  |
|     | Benzenesulfonic acid, C10-16-alkyl derivs.   | 68584-22-5 | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  |   | 1-Feb-2017  |
|     | Benzenesulfonic acid, oxybis(dodecyl-, disodium salt   | 25167-32-2 | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  |   | 1-Feb-2017  |
|     | Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts   | 68411-30-3 | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  |   | 1-Feb-2017  |
|     | Benzenesulfonic acid, dodecyl(sulphophenoxy)-, sodium salt (1:2)   | 28519-02-0 | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)   |  |  |  |   | 1-Feb-2017  |
| 199 | Benzidine and its salts, all members   |            | P            | LR | Reg. (EC) No 1272/2008, carcinogen class 2<br>Reg. (EC) No 552/2009<br>Reg. (EC) No 1907/2006 (REACH)<br>Canadian Toxic Substances Regulation 2005   |  |  | Impurities in textile and leather paints, antioxidants in lubricants, rubbers/latex, plastics  | 0.01%, see details for Canada specific              | 10-Jan-2005 |
|     | Benzidine  | 92-87-5    | P            | LR | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 25   |  |  | Benzidine was used to produce dyes for cloth, paper, and leather.  | 0.01%, intentional addition is prohibited in Canada | 10-Jan-2005 |
|     | Benzidine acetate  | 36341-27-2 | P            | LR |  |  |  |  |   | 10-Jan-2005 |
|     | Benzidine salt   | 531-86-2   | P            | LR |  |  |  |  |   | 10-Jan-2005 |

|     |   |            |                  |    |  |  |   |  |  |             |
|-----|---|------------|------------------|----|--|--|---|--|--|-------------|
|     | Benzidine sulphate  | 21136-70-9 | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | Benzidine, Ni(2+) salt  | 67632-50-2 | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | [1,1'-Biphenyl]-4,4'-diamine, dihydrochloride   | 531-85-1   | P                | LR | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 25 |  | Benzidine was used to produce dyes for cloth, paper, and leather. | 0.01%, intentional addition is prohibited in Canada  |  | 10-Jan-2005 |
|     | [1,1'-Biphenyl]-4,4'-diamine, 2,2'-dichloro-, sulfate (1:1)   | 70146-07-5 | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | 3,3'-Dichlorobenzidine dihydrochloride  | 612-83-9   | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | 3,3'-Dimethylbenzidine dihydrochloride  | 612-82-8   | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | 4,4'-Diaminodiphenyl-2,2'-disulfonic acid disodium salt   | 27336-24-9 | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | Acid Black 7  | 8004-59-9  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Acid red 85  | 3567-85-5  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct black 38  | 1937-37-7  | P                | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct black 4, disodium salt  | 2429-83-6  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct blue 6  | 2602-46-2  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct blue 2, trisodium salt  | 2429-73-4  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct brown 1   | 3811-71-0  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct brown 2, disodium salt  | 2429-82-5  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct brown 154   | 6360-54-9  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct brown 31, tetrasodium salt  | 2429-81-4  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct brown 59, disodium salt   | 3476-90-2  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct brown 6, disodium salt  | 2893-80-3  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct brown 95  | 16071-86-6 | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct green 1, disodium salt  | 3626-28-6  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct green 6, disodium salt  | 4335-59-5  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct green 8, trisodium salt   | 5422-17-3  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct red 1, disodium salt  | 2429-84-7  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct red 28  | 573-58-0   | P                | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct red 37  | 3530-19-6  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | C.I. Direct violet 22, trisodium salt   | 6426-67-1  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | Direct Orange 1   | 13164-93-7 | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | Benzoic acid, 5-[[4'-(1-amino-4-sulfo-2-naphthalenyl)azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt  | 2429-79-0  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | Trypan blue (C.I. Direct Blue 14)   | 72-57-1    | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | Benzoic acid, 3,3'-[(3,7-disulfo-1,5-naphthalenediyl)bis(azo(6-hydroxy-3,1-phenylene)azo(6(or 7)-sulfo-4,1-naphthalenediyl)azo[1,1'-biphenyl]-4,4'-diylazo)]bis[6-hydroxy-, hexasodium salt | 8014-91-3  | P                | LR |  |  |   |  |  | 10-Jan-2005 |
|     | 3,3'-Dichlorobenzidine  | 91-94-1    | P                | LR |  |  |   |  |  | 1-Feb-2014  |
|     | 3,3'-Dimethoxybenzidine   | 119-90-4   | P                | LR |  |  |   |  |  | 1-Feb-2014  |
|     | 3,3'-Dimethylbenzidine  | 119-93-7   | P                | LR |  |  |   |  |  | 1-Feb-2014  |
|     | Salts from 3,3'-Dimethoxybenzidine  |            | P                | LR |  |  |   |  |  | 1-Feb-2009  |
|     | Dipotassium O,O'-(4,4'-diaminobiphenyl-3,3'-ylene)diglycolate   | 74220-10-3 | P                | LR |  |  |   |  |  | 10-Jan-2005 |
| 200 | Benzo(a)pyrene  | 50-32-8    | P                | FI | Bosch 2009, Renault 2007   |  |   | in softening oil for tyres<br>Contaminants of mineral oils, including process oils used for tyre manufacture, soot, tar; Bosch, 2010: incomplete combustion (carbon black)   |  |             |
| 201 | Benzo(b)fluoranthene<br>Benz(e)acephenanthrylene; Benzo(b)fluoranthene (BbFA)   | 205-99-2   | D / C            |    | Kubota 2014/ Bosch 2009/ Renault 2007  |  |   | Bosch 2012: From 1 January 2010 in plasticizer oils for the manufacturing of tyres or tyre components with exceptions; occurring in incomplete combustion; / T, Carc. Cat. 2; organic materials pyrolysis; Bosch, 2010: incomplete combustion (carbon black) |  |             |
| 202 | Benzo(e)pyrene; Benzo(e)pyrene (BeP)  | 192-97-2   | P / C            |    | Kubota 2014/ Bosch 2009/ Renault 2007  |  |   | Bosch 2012: From 1 January 2010 in plasticizer oils for the manufacturing of tyres or tyre components with exceptions; occurring in incomplete combustion; / organic materials pyrolysis; Bosch, 2010: incomplete combustion (carbon black)                  |  |             |
| 203 | Benzo(j)fluoranthene/ Benzo(k)fluoranthene (BjFA)   | 205-82-3   | P / C            |    | Kubota 2014/ Bosch 2009/ Renault 2007  |  |   | Bosch 2012: From 1 January 2010 in plasticizer oils for the manufacturing of tyres or tyre components with exceptions; occurring in incomplete combustion; / organic materials pyrolysis; Bosch, 2010: incomplete combustion (carbon black)                  |  |             |
| 204 | Benzo(k)fluoranthene/ Benzo(k)fluoranthene (BkFA)   | 207-08-9   | D / C            |    | Kubota 2014/ Bosch 2009/ Renault 2007  |  |   | Bosch 2012: From 1 January 2010 in plasticizer oils for the manufacturing of tyres or tyre components with exceptions; occurring in incomplete combustion; / T, Carc. Cat. 2; organic materials pyrolysis; Bosch, 2010: incomplete combustion (carbon black) |  |             |
| 205 | Benzo(def)chrysene, (Benzo[a]pyrene)  | 50-32-8    | C,M,R, PBT, vPvB | FI | Scania, Greylist, 20.02.2019   |  |   | Normally not manufactured intentionally but may occur as a constituent or impurity in other substances.  |  | 20-Jun-2016 |
| 206 | Benzo(ghi)perylene  | 191-24-2   | PBT, vPvB        | FI | Scania, Greylist, 20.02.2019; Bosch 2009   |  |   | Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.  |  | 27-Jun-2018 |
| 207 | Benzo(k)fluoranthene  | 207-08-9   | C, PBT, vPvB     | FI | Scania, Greylist, 20.02.2019   |  |   | Steel structures. Rubber articles. Electrodes for the metal industry. Roofing felt. Clay pigeons   |  | 15-Jan-2019 |
| 208 | Benzododecinium chloride;   | 139-07-1   | D                | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |   |  |  | 1-Feb-2017  |
|     | Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,4-bis(1,1-dimethylethyl)phenyl ester   | 4221-80-1  | D                | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |   |  |  | 1-Feb-2017  |
|     | Benzophenone  | 119-61-9   | D                | FI | California Proposition 65  |  |   | coatings, paints, solder, adhesives, leather   |  | 1-Feb-2019  |
|     | Benzothiazole-2-thiol; 2-Mercaptobenzothiazole;   | 149-30-4   | D                | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |   |  |  | 1-Feb-2017  |
| 209 | Beryllium and its compounds, all members  |            | D                | FI | Reg. (EC) No 1272/2008   |  |   | Electric contacts, relays and switches; electronics  |  | 10-Jan-2005 |
|     | Beryllium ore   | 1302-52-9  | D                | FI |  |  |   |  |  | 10-Jan-2005 |
|     | Beryllate(2-), tetrafluoro-, diammonium   | 14874-86-3 | D                | FI |  |  |   |  |  | 10-Jan-2005 |
|     | Beryllium   | 7440-41-7  | D                | FI |  |  |   |  |  | 10-Jan-2005 |
|     | Beryllium aluminum alloy  | 12770-50-2 | D                | FI |  |  |   |  |  | 10-Jan-2005 |
|     | Beryllium boride (Be2B)   | 12536-51-5 | D                | FI |  |  |   |  |  | 10-Jan-2005 |

|     |   |   |            |     |    |   |            |   |  |                                 |             |             |
|-----|---|---|------------|-----|----|---|------------|---|--|---------------------------------|-------------|-------------|
|     |   | Beryllium boride (Be4B)                                       | 12536-52-6 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium boride (BeB2)                                       | 12228-40-9 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium boride (BeB6)                                       | 12429-94-6 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium bromide (BeBr2)                                     | 7787-46-4  | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium carbide (Be2C)                                      | 509-46-1   | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium carbonate   | 13106-47-3 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium carbonate   | 66104-24-3 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium chloride  | 7787-47-5  | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium diacetate   | 543-81-7   | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium fluoride  | 12323-05-6 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium fluoride  | 7787-49-7  | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium hydroxide   | 13327-32-7 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium iodide (BeI2)                                       | 7787-53-3  | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium nitride (Be3N2)                                     | 1304-54-7  | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium oxide   | 1304-56-9  | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium phosphate   | 13598-15-7 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium phosphide   | 58127-61-0 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium phosphide (Be2P)                                    | 57620-29-8 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium selenide (BeSe)                                     | 12232-25-6 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium sulfate   | 13510-49-1 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium sulfate tetrahydrate                                | 7787-56-6  | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium sulfide (BeS)                                       | 13598-22-6 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium telluride (BeTe)                                    | 12232-27-8 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium zinc silicate                                       | 25638-98-4 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Beryllium zinc silicate                                       | 39413-47-3 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Bis(pentane-2,4-dionato-O,O')beryllium                        | 10210-64-7 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Diethylberyllium  | 542-63-2   | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Disodium tetrafluoroberyllate                                 | 13871-27-7 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Hexakis[μ-(acetato-O,O')]-μ <sub>4</sub> -4-oxotetraberyllium | 19049-40-2 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Phosphoric acid, beryllium salt                               | 35089-00-0 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Phosphoric acid, beryllium salt (2:3)                         | 13598-26-0 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Silicic acid (H4SiO4), beryllium salt (1:2)                   | 15191-85-2 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
|     |   | Silicic acid, beryllium salt                                  | 58500-38-2 | D   | FI |   |            |   |  |                                 |             | 10-Jan-2005 |
| 210 |   |   |            |     |    |   |            |   |  |                                 |             |             |
|     | Biocidal coatings / biocidal additives, selected  |   |            | D/P | LR | Reg. (EU) No 528/2012 This list is derived from the following product-types believed to be relevant to the GADSL criteria: product-type 7: Film preservatives; product-type 8: Wood preservatives and product-type 9: Fibre, leather, rubber and polymerised materials preservatives. These requirements apply only to intended use as a biocide. | 1-Mar-2017 | Active substances marked "D" are either approved or under review by EU authorities for the mentioned Product Types (PT). All other biocidal active substances are prohibited to be used for the respective PTs. | Biocidal and biostatic treatments of polymers, textiles, and other components susceptible to microbiological attack (e.g. mobile air conditioning systems) | Any intentionally added content | 8-Aug-2014  |             |
|     | (±)-1-(β,β-allyloxy-2,4-dichlorophenylethyl)imidazole; Technical grade imazali                    | 73790-28-0  |            | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   | 1-Mar-2017 |   |  |                                 |             |             |
|     | .alpha.,.alpha',.alpha.-trimethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-trithianol                       | 25254-50-6  |            | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9   | 1-Mar-2017 |   |  |                                 |             |             |
|     | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one  | 2634-33-5   |            | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9  | 1-Mar-2017 |   |  |                                 |             |             |
|     | 1,3-bis(hydroxymethyl)urea  | 140-95-4  |            | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9   | 1-Mar-2017 |   |  |                                 |             |             |
|     | 1,3-didecyl-2-methyl-1H-imidazolium chloride  | 70862-65-6  |            | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>Authorisation as biocide needed for product-type 9   | 1-Mar-2017 |   |  |                                 |             |             |
|     | 1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea; Diazolidinylurea | 78491-02-8  |            | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>Authorisation as biocide needed for product-type 9   | 1-Mar-2017 |   |  |                                 |             |             |
|     | 2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-trilyl)trithianol  | 4719-04-4   |            | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9   | 1-Mar-2017 |   |  |                                 | 1-Feb-2015  |             |
|     | 2,2-Dibromo-2-cyanoacetamide (DBNPA)  | 10222-01-2  |            | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9   | 1-Mar-2017 |   |  |                                 | 1-Feb-2016  |             |
|     | 2,2'-dithiobis[N-methylbenzamide]   | 2527-58-4   |            | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017 |   |  |                                 |             |             |
|     | 2,4-dichlorobenzyl alcohol  | 1777-82-8   |            | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017 |   |  |                                 |             |             |
|     | 2-bromo-1-(4-hydroxyphenyl)ethan-1-one  | 2491-38-5   |            | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9   | 1-Mar-2017 |   |  |                                 |             |             |
|     | 2-Bromo-2-(bromomethyl)pentanedinitrile   | 35691-65-7  |            | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017 |   |  |                                 |             |             |
|     | 2-Chloroacetamide   | 79-07-2   |            | D/P | LR | Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9   | 1-Mar-2017 |   |  |                                 |             |             |
|     | 2-methyl-4-thiazoline-3-ketone; 2-methyl-2H-isothiazol-3-one; MIT; Methylisothiazolinone          | 2682-20-4   |            | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9<br>D: Allowed use as biocide in product-type : 7   | 1-Mar-2017 |   |  |                                 |             |             |
|     | 2-n-butyl-benzod[isothiazol]-3-one  | 4299-07-4   |            | D   | LR | Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9   |            |   |  |                                 |             |             |
|     | 2-Phenoxyethanol  | 122-99-6  |            | D/P | LR | P: Forbidden use as biocide in product-type 7<br>Authorisation as biocide needed for product-type 8<br>Authorisation as biocide needed for product-type 9   | 1-Mar-2017 |   |  |                                 | 15-Sep-2014 |             |

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| 211 | 2-Phenylphenol; Biphenyl-2-ol; 2-Hydroxybiphenyl   | 90-43-7     | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |             |
| 212 | 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone           | 55965-84-9  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017                             |  |  |             |
| 213 | 3-Iodo-2-propynyl butylcarbamate; 3-Iodo-2-propynylbutylcarbamate (IPBC)                   | 55406-53-6  | D   | LR | D: Allowed use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>D: Allowed use as biocide in product-type : 9             |  |  |  |             |
| 214 | 4,5-Dichloro-2-octyl-2H-isothiazol-3-one; 4,5-Dichloro-2-octylisothiazol-3(2H)-one (DCOIT) | 64359-81-5  | D   | LR | D: Allowed use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>D: Allowed use as biocide in product-type : 9             |  |  |  |             |
| 215 | 4,5-dichloro-3H-1,2-dithiol-3-one  | 1192-52-5   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |             |
| 216 | 5-Chloro-2-(4-chlorophenoxy)-phenol (DCPP)   | 3380-30-1   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |             |
| 217 | 5-chloro-2-methyl-4-thiazoline-3-ketone  | 26172-55-4  | P   | LR | Dir. 2003/2032/EC   |  |  |  |             |
| 218 | Alpha-cypermethrin   | 67375-30-8  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017               |  |  | 15-Sep-2014 |
| 219 | Aluminium phosphide; Aluminium phosphide releasing phosphine (under BPR)                   | 20859-73-8  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 220 | Aluminium sodium silicate-silver complex; Silver zeolite                                   | 130328-18-6 | D   | LR | D: Allowed use as biocide in product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type 9            |  |  |  |             |
| 221 | Aluminium sodium silicate-silver copper complex; Silver Copper Zeolite                     | 130328-19-7 | D   | LR | D: Allowed use as biocide in product-type 7<br>D: Allowed use as biocide in product-type 9  |  |  |  | 1-Feb-2016  |
| 222 | Amines, n-C10-16-alkyltrimethylenedi-, reaction products with chloroacetic acid            | 139734-65-9 | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 223 | Ammonium bromide   | 12124-97-9  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 224 | Benzalkonium chloride; Quaternary ammonium compounds, alkylbenzylidimethyl, chlorides      | 8001-54-5   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 225 | Benzododecinium chloride   | 139-07-1    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 226 | Benzothiazole-2-thiol; 2-Mercaptobenzothiazole   | 149-30-4    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 227 | Benzoxonium chloride   | 19379-90-9  | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |             |
| 228 | Benzylidimethyl(octadecyl)ammonium chloride  | 122-19-0    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 229 | Benzylidimethyleylammonium chloride  | 37139-99-4  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 230 | Benzylododecylidimethylammonium bromide  | 7281-04-1   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 231 | (benzyloxy)methanol  | 14548-60-8  | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9   | 1-Mar-2017                             |  |  | 1-Feb-2016  |
| 232 | Bifenthrin   | 82657-04-3  | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |             |
| 233 | Bis(2-sulfidopyridin-1-olato)copper; bis(1-hydroxy-1H-pyridine-2-thionato-O,S)copper       | 14915-37-8  | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |             |
| 234 | Bis(tributyltin) oxide; 1,1,1,3,3,3-Hexabutyldistannoxane; Tributyltin oxide (TBO)         | 56-35-9     | P   | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 235 | Bis(trichloromethyl) sulphone  | 3064-70-8   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |             |
| 236 | Boric acid   | 11113-50-1  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9         | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 237 | Boric acid crude natural   | 10043-35-3  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9         | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 238 | Bromochloro-5,5-dimethylimidazolidine-2,4-dione  | 32718-18-6  | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |             |
| 239 | Bronopol; 2-bromo-2-nitropropane-1,3-diol  | 52-51-7     | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type 9        | 1-Mar-2017                             |  |  | 1-Feb-2015  |
| 240 | C8-18alkylbis(2-hydroxyethyl)ammonium bis(2-ethylhexyl)phosphate                           | 68132-19-4  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017               |  |  |             |



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| 241 | Calcium dihexa-2,4-dienoate  | 7492-55-9   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 242 | Captan; 1,2,3,6-tetrahydro-N-(trichloromethylthio)phthalimide  | 133-06-2    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 243 | Carbendazim  | 10605-21-7  | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |             |
| 244 | Cetalkonium chloride   | 122-18-9    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 245 | Cetylpyridinium chloride   | 123-03-5    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 246 | Chlorfenapyr; 4-Bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethylpyrrole-3-carbonitrile                                      | 122453-73-0 | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9         | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 247 | Chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol   | 59-50-7     | D   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9   |  |  |  |             |
| 248 | Chlorothalonil; Tetrachloroisophthalonitrile   | 1897-45-6   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 249 | Chlorotoluron; 3-(3-chloro-p-tolyl)-1,1-dimethylurea   | 15545-48-9  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 250 | Chromium (VI) trioxide; Trioxochromium   | 1333-82-0   | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 251 | Cis-4-[3-(p-tert-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine   | 67564-91-4  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9         | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 252 | Clothianidin; IFMB   | 210880-92-5 | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |             |
| 253 | Copolymer of 2-propenal and propane-1,2-diol   | 191546-07-3 | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 254 | Copper (Cu)  | 7440-50-8   | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  | 15-Aug-2016 |
| 255 | Copper carbonate hydroxide; Basic Copper carbonate; Copper (II) carbonate-copper (II) hydroxide (1:1)                                | 12069-69-1  | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |             |
| 256 | Copper dihydroxide; Copper (II) hydroxide; Copper hydroxide  | 20427-59-2  | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |             |
| 257 | Copper oxide; Copper (II) oxide  | 1317-38-0   | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |             |
| 258 | Copper sulphate  | 7758-98-7   | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 259 | Copper sulphate pentahydrate   | 7758-99-8   | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  | 15-Aug-2016 |
| 260 | Creosote   | 8001-58-9   | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |             |
| 261 | Cu-HDO; Bis(N-cyclohexyl-diazanium-dioxy)-copper; Bis[1-cyclohexyl-1,2-d(hydroxy-kappa,O)diazoniumato(2-)]-copper                    | 312600-89-8 | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9         | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 262 | Cybutryne; N-tert-butyl-N-cyclopropyl-6-(methylthio)-1,3,5-triazine-2,4-diamine  | 28159-98-0  | D/P | LR | Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9   | 1-Mar-2017                             |  |  |             |
| 263 | Cyclohexylhydroxydiazene 1-oxide, potassium salt   | 66603-10-9  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9         | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 264 | Cyfluthrin; beta-cyfluthrin; a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate              | 68359-37-5  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 265 | Cyproconazole; (2RS,3RS; 2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol                               | 94361-06-5  | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |             |
| 266 | Dazomet; Tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione  | 533-74-4    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9         | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 267 | DDACarbonate; LZ 34000; Reaction mass of N,N-didecyl-N,N-dimethylammonium carbonate and N,N-didecyl-N,N-dimethylammonium bicarbonate | 894406-76-9 | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |             |
| 268 | Decyldimethyloctylammonium chloride  | 32426-11-2  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 269 | Deltamethrin; (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate                          | 52918-63-5  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |

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| 270 | Diarsenic pentoxide; Arsenic pentoxide; Arsenic oxide  | 1303-28-2   | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9  | 1-Mar-2017                             |          |            |
| 271 | Diboron trioxide   | 1303-86-2   | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9  |  |          |            |
| 272 | Dichlofluanid; N-[(Dichlorofluoromethyl)thio]-N,N'-dimethyl-N-phenylsulfamide  | 1085-98-9   | D/P | LR | P: Forbidden use as biocide in product-type 7<br>D: Allowed use as biocide in product-type 8<br>Authorisation as biocide needed for product-type 9   | 1-Mar-2017                             |          |            |
| 273 | Dichlorophene; dichlorophen  | 97-23-4     | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9   | 1-Mar-2017                             |          |            |
| 274 | Dicopper oxide   | 1317-39-1   | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9  | 1-Mar-2017                             |          |            |
| 275 | Didecyldimethylammonium bromide  | 2390-68-3   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |          |            |
| 276 | Didecyldimethylammonium chloride (DDAC)  | 7173-51-5   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017                             |          |            |
| 277 | Didecylmethylpoly(oxyethyl)ammonium propionate; Poly(oxy-1,2-ethanedyl), alpha-[2-(didecylmethylammonio)ethyl]-, omega-hydroxy-, propanoate (salt) | 94667-33-1  | D/P | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9   | 1-Mar-2017                             |          |            |
| 278 | Dimethyldioctylammonium chloride   | 5538-94-3   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |          |            |
| 279 | Dimethylfumarate   | 624-49-7    | P   | LR | Reg. (EC) No 1907/2006 (Annex XVII)  |  | 0.00001% |            |
| 280 | Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride  | 27868-52-6  | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9   |  |          |            |
| 281 | Dimethyltetradecyl[3-(trimethoxysilyl)-propyl]ammonium chloride  | 41591-87-1  | D   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9  |  |          |            |
| 282 | Diphenoxarsin-10-yloxid  | 58-36-6     | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017                             |          |            |
| 283 | Dipotassium disulphite   | 16731-55-8  | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017                             |          |            |
| 284 | Dipyrrithione  | 3696-28-4   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017                             |          |            |
| 285 | Disodium cyanodithiocarbamate  | 138-93-2    | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9  | 1-Mar-2017                             |          | 1-Feb-2016 |
| 286 | Disodium disulphite; Disodium disulfite  | 7681-57-4   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017                             |          |            |
| 287 | Disodium octaborate tetrahydrate; Boron sodium oxide (B8Na2O13), tetrahydrate  | 12280-03-4  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9<br>See also substance individual entry GADSL #75 | 1-Mar-2017<br>1-Mar-2017               |          |            |
| 288 | Disodium tetraborate, anhydrous  | 1330-43-4   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017<br>1-Mar-2017               |          |            |
| 289 | Disodium tetraborate, decahydrate  | 1303-96-4   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017<br>1-Mar-2017               |          |            |
| 290 | Disodium tetraborate, pentahydrate   | 12179-04-3  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017                             |          |            |
| 291 | Diuron; 3-(3,4-dichlorophenyl)-1,1-dimethylurea (DCMU)   | 330-54-1    | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>Authorisation as biocide needed for product-type 9  |  |          |            |
| 292 | Dodecylguanidine monohydrochloride   | 13590-97-1  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |          |            |
| 293 | DOWICIL® 150 PRESERVATIVE; DOWICIL® 200 PRESERVATIVE   | 51229-78-8  | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017                             |          |            |
| 294 | Esfenvalerate; (S)-a-cyano-3-phenoxybenzyl-(S)-2-(4-chlorophenyl)-3-methylbutyrate   | 66230-04-4  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9  | 1-Mar-2017                             |          |            |
| 295 | (ethylenedioxy)dimethanol, 1,6-Dihydroxy-2,5-dioxyhexane   | 3586-55-8   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9  | 1-Mar-2017                             |          | 1-Feb-2016 |
| 296 | Etofenprox; Ethofenprox; 3-Phenoxybenzyl-2-(4-ethoxyphenyl)-2-methylpropylether  | 80844-07-1  | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9  |  |          |            |
| 297 | Fenitrothion; O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate  | 122-14-5    | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9  | 1-Mar-2017                             |          |            |
| 298 | Fenoxycarb; Ethyl [2-(4-phenoxyphenoxy)ethyl]carbamate   | 72490-01-8  | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9  |  |          |            |
| 299 | Flpronil; 5-Amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[[trifluoromethyl]sulfonyl]-1H-pyrazole-3-carbonitrile                              | 120068-37-3 | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9  | 1-Mar-2017                             |          |            |

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| 300 | Fludioxonil; 4-(2,2-Difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile   | 131341-86-1 | D   | LR | D: Allowed use as biocide in product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type 9            |  |  |  | 1-Feb-2016 |
| 301 | Flufenoxuron; 1-[4-(2-Chloro-alpha, alpha, alpha-trifluoro-paratolyloxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea | 101463-69-8 | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |            |
| 302 | Fluometuron  | 2164-17-2   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017                             |  |  |            |
| 303 | Folpet; N-(trichloromethylthio)phthalimide   | 133-07-3    | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |            |
| 304 | Formaldehyde   | 50-00-0     | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9   | 1-Mar-2017                             |  |  |            |
| 305 | Glutaral; Glutaraldehyde; Pentane-1,5-dial; Pentanedial  | 111-30-8    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017                             |  |  |            |
| 306 | Guazatine triacetate   | 115044-19-4 | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |            |
| 307 | Hexa-2,4-dienoic acid; Sorbic acid   | 110-44-1    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |            |
| 308 | Hexaboron dizinc undecaoxide   | 12767-90-7  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017               |  |  |            |
| 309 | Hexafluorosilicic acid   | 16961-83-4  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type 8<br>Authorisation as biocide needed for product-type 9   | 1-Mar-2017                             |  |  | 1-Feb-2016 |
| 310 | Homopolymer of 2-tert-butylaminoethyl methacrylate (EINECS 223-228-4)  | 26716-20-1  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |            |
| 311 | Hydroxyl-2-pyridone  | 822-89-9    | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |            |
| 312 | Imazail; 1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole   | 35554-44-0  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 9<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |            |
| 313 | Iodine (I)   | 7553-56-2   | D/P | LR | P: Forbidden use as biocide in product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9        | 1-Mar-2017                             |  |  |            |
| 314 | Isoproturon; 3-(4-Isopropylphenyl)-1,1-dimethylurea  | 34123-59-6  | D/P | LR | D: Allowed use as biocide in product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9          | 1-Mar-2017                             |  |  |            |
| 315 | L-(+)-lactic acid  | 79-33-4     | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |            |
| 316 | Lignin   | 9005-53-2   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |            |
| 317 | Magnesium phosphide; Trimagnesium diphosphide  | 12057-74-8  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |            |
| 318 | Margosa ext.   | 84696-25-3  | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017               |  |  |            |
| 319 | Metam potassium; Potassium methylidithiocarbamate  | 137-41-7    | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |            |
| 320 | Metam-sodium; Metam; Sodium ethyldithiocarbamate   | 137-42-8    | D   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9   |  |  |  |            |
| 321 | Methenamine 3-chloroallylochloride   | 4080-31-3   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |            |
| 322 | Miristalkonium chloride  | 139-08-2    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |            |
| 323 | N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine   | 2372-82-9   | D/P | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9      | 1-Mar-2017                             |  |  |            |
| 324 | N,N,N',N'-Tetramethylethylenediaminebis(2-chloroethyl)ether copolymer  | 31075-24-8  | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |            |
| 325 | N,N'-methylenebismorpholine (MBM)  | 5625-90-1   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |            |
| 326 | Nabam; Disodium ethylenebis(N,N'-dithiocarbamate)  | 142-59-6    | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |            |
| 327 | Naphthenic acids, copper salts   | 1338-02-9   | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 9<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |            |
| 328 | N-Didecyl-N-dipolyethoxyammonium borate; Didecylpolyoxyethylammonium borate  | 214710-34-6 | D/P | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9      | 1-Mar-2017                             |  |  |            |

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| 329 | Octhillone; 2-octyl-2H-isothiazol-3-one  | 26530-20-1   | D   | LR | D: Allowed use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>D: Allowed use as biocide in product-type : 9             |  |  |  |  |
| 330 | Oligo(2-(2-ethoxy)ethoxyethylguanidinium chloride)   | 374572-91-5  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017                             |  |  |  |
| 331 | Oxine-copper   | 10380-28-6   | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |  |
| 332 | P-[(diiodomethyl)sulphonyl]toluene   | 20018-09-1   | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |  |
| 333 | Permethrin; m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate  | 52645-53-1   | D/P | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type 8<br>P: Forbidden use as biocide in product-type 9          | 1-Mar-2017                             |  |  |  |
| 334 | Poly(hexamethylenediamine guanidinium chloride)  | 57028-96-3   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017                             |  |  |  |
| 335 | Poly(hexamethylenecyanoguanide-hexamethylenediamine)hydrochloride  | 27083-27-8   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 4-May-2018                             |  |  |  |
| 336 | Poly(hexamethylenebiguanide)   | 91403-50-8   | D   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9   |  |  |  |  |
| 337 | Poly(hexamethylenbiguanide)hydrochloride   | 32289-58-0   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 4-May-2018                             |  |  |  |
| 338 | Poly[iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanedyl], hydrochloride   | 1802181-67-4 | D   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type 9     |  |  |  |  |
| 339 | Polyvinylpyrrolidone iodine  | 25655-41-8   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017                             |  |  |  |
| 340 | Potassium (E,E)-hexa-2,4-dienoate  | 24634-61-5   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9         | 1-Mar-2017                             |  |  |  |
| 341 | Potassium 2-biphenylate  | 13707-65-8   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |  |
| 342 | Potassium dimethylthiocarbamate  | 128-03-0     | D   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9   |  |  |  |  |
| 343 | Potassium sulphite   | 10117-38-1   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |  |
| 344 | Prometryn  | 7287-19-6    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017                             |  |  |  |
| 345 | Propiconazole; (1-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole  | 60207-90-1   | D   | LR | D: Allowed use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>D: Allowed use as biocide in product-type : 9             |  |  |  |  |
| 346 | Pyridine-2-thiol 1-oxide, sodium salt  | 3811-73-2    | D   | LR | D: Allowed use as Biocide in Product-Type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as Biocide in Product-Type : 9        |  |  |  |  |
| 347 | Pyrithione zinc; (T-4)-Bis[2-(thioxo-kappaS)-pyridin-1(2H)-olato-kappaO]zinc(II)   | 13463-41-7   | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |  |
| 348 | Quaternary ammonium compounds (benzylalkyldimethyl (alkyl from C8-C22, saturated and unsaturated, tallow alkyl, coco alkyl, and soya alkyl) chlorides, bromides or hydroxides)/BKC | NA           | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |  |
|     | Quaternary ammonium compounds, [2-[[2-(2-carboxyethyl)(2-hydroxyethyl)amino]ethyl]amino]-2-oxoethyl)coco alkylidimethyl, hydroxides, inner salts                                   | 100085-64-1  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |  |
|     | Quaternary ammonium compounds, benzyl-C10-16-alkyldimethyl, chlorides  | 68989-00-4   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |  |
|     | Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides  | 85409-22-9   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |  |
|     | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides; Alkyl (C12-16) dimethylbenzyl ammonium chloride; C12-16-ADBAC   | 68424-85-1   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9         | 1-Mar-2017<br>1-Mar-2017               |  |  |  |
|     | Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides  | 68391-01-5   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>4-May-2018<br>1-Mar-2017 |  |  |  |
|     | Quaternary ammonium compounds, benzyl-C8-16-alkyldimethyl, chlorides   | 68424-84-0   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |  |
|     | Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, bromides  | 91080-29-4   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |  |
|     | Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides   | 63449-41-2   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |  |
|     | Quaternary ammonium compounds, benzylcoco alkylidimethyl, chlorides  | 61789-71-7   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |  |

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|     | Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides   | 61789-80-8   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
|     | Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides  | 85409-23-0   | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 9<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
|     | Quaternary ammonium compounds, coco alkyltrimethyl, chlorides  | 61789-18-2   | D   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |  |  |  |             |
|     | Quaternary ammonium compounds, di-C6-12-alkyldimethyl, chlorides   | 68391-06-0   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
|     | Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides   | 68424-95-3   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
|     | Quaternary ammonium compounds, di-C8-18-alkyldimethyl, chlorides   | 73398-64-8   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
|     | Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides   | 61789-77-3   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 349 | Quaternary ammonium iodides  | 308074-50-2  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 350 | Bethoxazin/3-benzo[b]thien-2-yl-5,6-dihydro-1,4,2-oxathiazine 4-oxide  | 163269-30-5  | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>P: Forbidden use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9       | 1-Mar-2017<br>1-Mar-2017<br>1-Mar-2017 |  |  |             |
| 351 | Reaction mass of titanium dioxide and silver chloride. Substance must be reported regarding EC number 944-224-5                  | EC 944-224-5 | D   | LR | D: Allowed use as biocide in product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type 9            |  |  |  | 1-Feb-2016  |
| 352 | Silver (Ag)  | 7440-22-4    | D   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9   |  |  |  |             |
| 353 | Silver adsorbed on silicon dioxide (as a nanomaterial in the form of a stable aggregate with primary particles in the nanoscale) | 1167997-68-3 | D   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type 9     |  |  |  |             |
| 354 | Silver chloride  | 7783-90-6    | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |             |
| 355 | Silver nitrate   | 7761-88-8    | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |             |
| 356 | Silver phosphate glass   | 308069-39-8  | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |             |
| 357 | Silver sodium hydrogen zirconium phosphate   | 265647-11-8  | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  | 15-Aug-2016 |
| 358 | Silver sodium zirconium hydrogenphosphate  | 155925-27-2  | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |             |
| 359 | Silver zinc zeolite; Aluminium sodium silicate-silver zinc complex   | 130328-20-0  | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |             |
| 360 | Silver-zinc-aluminium-boronphosphate glass; Glass oxide, silver- and zinc-containing   | 398477-47-9  | D/P | LR | P: Forbidden use as biocide in product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9        | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 361 | Sodium 2,4,6-trichlorophenolate  | 3784-03-0    | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |             |
| 362 | Sodium 2-biphenylate; 2-phenylphenol, sodium salt  | 132-27-4     | D   | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |  |  |  |             |
| 363 | Sodium bromide   | 7647-15-6    | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 364 | Sodium dichromate anhydrous  | 10588-01-9   | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 365 | Sodium dichromate dihydrate  | 7789-12-0    | D/P | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 366 | Sodium dimethylthiocarbamate   | 128-04-1     | D   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9   |  |  |  |             |
| 367 | Sodium hydrogen 2,2-methylenebis[4-chlorophenolate]  | 10187-52-7   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017               |  |  |             |
| 368 | Sodium hydrogensulphite; Sodium bisulphite   | 7631-90-5    | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |             |
| 369 | Sodium hydroxymethylamino acetate  | 70161-44-3   | D/P | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017                             |  |  |             |
| 370 | Sodium p-chloro-m-cresolate  | 15733-22-9   | D/P | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017                             |  |  |             |

|     |   |             |       |    |   |                          |  |   |                                 |
|-----|---|-------------|-------|----|---|--------------------------|--|---|---------------------------------|
| 371 | Sodium pentachlorophenolate; Pentachlorophenol, sodium salt                                 | 131-52-2    | P     | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type 8<br>Authorisation as biocide needed for product-type 9   | 1-Mar-2017               |  |   | 1-Feb-2015                      |
| 372 | Sodium sulphite   | 7757-83-7   | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9   | 1-Mar-2017               |  |   |                                 |
| 373 | Symclosene; 1,3,5-Trichloro-1,3,5-triazinane-2,4,6-trione                                   | 87-90-1     | D/P   | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017               |  |   |                                 |
| 374 | TCMTB; (benzothiazol-2-ylthio)methyl thiocyanate  | 21564-17-0  | D/P   | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9      | 1-Mar-2017               |  |   |                                 |
| 375 | Tebuconazole; 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol       | 107534-96-3 | D/P   | LR | D: Allowed use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type 9             | 1-Mar-2017               |  |   |                                 |
| 376 | Terbutryn   | 886-50-0    | D     | LR | D: Allowed use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9        |                          |  |   |                                 |
| 377 | Tetraboron disodium heptaoxide, hydrate   | 12267-73-1  | D     | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type 8<br>Authorisation as biocide needed for product-type 9     |                          |  |   | 1-Feb-2015                      |
| 378 | Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5-(1H,3H)-dione         | 5395-50-6   | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017               |  |   |                                 |
| 379 | Tetrakis(hydroxymethyl)phosphonium sulphate(2:1)  | 55566-30-8  | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017               |  |   |                                 |
| 380 | Thiabenzazole; Thiabendazol; 2-(Thiazole-4-yl)benzimidazole                                 | 148-79-8    | D     | LR | D: Allowed use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>D: Allowed use as biocide in product-type : 9             |                          |  |   |                                 |
| 381 | Thiactoprid   | 111988-49-9 | D     | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |                          |  |   |                                 |
| 382 | Thiamethoxam  | 153719-23-4 | D/P   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9      | 1-Mar-2017               |  |   |                                 |
| 383 | Thiram; Tetramethylthiuram disulphide   | 137-26-8    | D/P   | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>D: Allowed use as biocide in product-type : 9      | 1-Mar-2017               |  |   |                                 |
| 384 | Tolnaftate  | 2398-96-1   | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017               |  |   |                                 |
| 385 | Tolyfluanid; dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(p-tolyl)methanesulphenamide     | 731-27-1    | D     | LR | D: Allowed use as biocide in product-type : 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9        |                          |  |   |                                 |
| 386 | Tosylchloramide sodium  | 127-65-1    | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017               |  |   |                                 |
| 387 | Triadimefon; 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone                | 43121-43-3  | D     | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9   |                          |  |   |                                 |
| 388 | Tributyltetradecylphosphonium chloride  | 81741-28-8  | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017               |  |   |                                 |
| 389 | Tributyltin naphthenate; Stannane, tributyl-, mono(naphthenoyloxy) derivs.                  | 85409-17-2  | P     | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017               |  |   |                                 |
| 390 | Triclosan; 2,4,4-Trichloro-2-hydroxy diphenyl ether; 5-Chloro-2-(2,4-dichlorophenoxy)phenol | 3380-34-5   | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017               |  |   |                                 |
| 391 | Troclosene sodium; Sodium dichloroisocyanurate dihydrate                                    | 2893-78-9   | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9   | 1-Mar-2017               |  |   | 1-Feb-2015                      |
| 392 | Troclosene sodium; Sodium dichloroisocyanurate dihydrate                                    | 51580-86-0  | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type 9   | 1-Mar-2017               |  |   | 1-Feb-2015                      |
| 393 | Zeta-cypermethrin   | 52315-07-8  | D/P   | LR | Authorisation as biocide needed for product-type 7<br>D: Allowed use as biocide in product-type : 8<br>P: Forbidden use as biocide in product-type : 9      | 1-Mar-2017<br>1-Mar-2017 |  |   | 1-Feb-2015                      |
| 394 | Zinc oxide; C.I. 77947  | 1314-13-2   | D/P   | LR | Authorisation as biocide needed for product-type 7<br>P: Forbidden use as biocide in product-type : 8<br>Authorisation as biocide needed for product-type 9 | 1-Mar-2017               |  |   |                                 |
| 395 | Zinc sulphide   | 1314-98-3   | D/P   | LR | P: Forbidden use as biocide in product-type : 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9    | 1-Mar-2017<br>1-Mar-2017 |  |   |                                 |
| 396 | Ziram   | 137-30-4    | D/P   | LR | Authorisation as biocide needed for product-type 7<br>Authorisation as biocide needed for product-type 8<br>P: Forbidden use as biocide in product-type : 9 | 1-Mar-2017               |  |   |                                 |
| 397 | Bis(2-methoxyethyl) ether   | 111-96-6    | R     | FI | Scania, Greylist, 20.02.2019  |                          |  |   | 3-Jan-2012                      |
| 398 | bis(4-bromophenyl)ether/ Dibromodiphenyl ether  | 2050-47-7   | D / C |    | Kubota 2014/ Renault 2007   |                          |  | Renault 2007: flame retardant   |                                 |
| 399 | Bis(chloromethyl) ether (BCME)  | 542-88-1    | P     | LR | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24                |                          |  | Surface treatment of vulcanized rubber to increase adhesion, and in the manufacture of flame-retardant fabrics.(ATSDR 1989).  | Any intentionally added content |
| 400 | Bis(tributyl tin)oxide  | 200-268-0   | D     |    | Bosch 2009  |                          |  | Bosch 2012: 0.1, however prohibited for developing new materials or material alterations; Antifouling paint in marine paints, leather, textiles, wood, paper. Polyvinyl chloride stabilizer |                                 |
| 401 | bisphenol A   | 80-05-7     | D     |    | Volvo 2015/ Renault 2007  |                          |  | Volvo 2014: Polymer content (PC and PUR)  |                                 |
| 402 | bitertanol  | 55179-31-2  | M     |    | Renault 2007  |                          |  |   |                                 |

|     |  |                          |       |    |  |  |  |  |             |
|-----|--|--------------------------|-------|----|--|--|--|--|-------------|
| 403 | Boric acid/Orthoboric acid   | 11113-50-1<br>10043-35-3 | D/P   | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)<br>Reg. (EU) No 528/2012   |  | Panels, Absorbers  |  | 1-Nov-2011  |
| 404 | bromchloro-5,5-dimethylimidazolidine-2,4-dione   | 32718-18-6               | M     |    | Renault 2007   |  | Renault 2007: germicide, fungicide   |  |             |
| 405 | Brominated Flame retardants (not PBB or PBDE)  | Several                  | E     | FI | Scania, Grevist, 20.02.2019  |  | Textiles Plastics  |  | 26-Feb-1998 |
| 406 | Bromochlorodifluoromethane (Halon 1211)  | 353-59-3                 | P     |    | Scania 2014/ Renault 2007  |  | Scania 2014: Fire retardant, Fire retardant, extinguishing agent   |  |             |
| 407 | bromochloromethane   | 74-97-5                  | P     |    | Kubota 2014/ Renault 2007  |  |  |  |             |
| 408 | Bromodichloromethane/ dichloromethylbromide  | 75-27-4                  | M / C |    | Kubota 2014/ Renault 2007  |  |  |  |             |
| 409 | Bromotrifluoro methane (Halon 1301)  | 75-63-8                  | P     |    | Scania 2014/ Kubota 2014/ Renault 2007   |  | Scania 2014: Fire retardant  |  |             |
| 410 | Butadiene, 1,3 -   | 106-99-0                 | D     | FI | Reg. (EC) No 1272/2008   |  | Manufacturing of synthetic rubber for tyres, as homopolymer (BR), as copolymer with Styrene (SBR) or Acrylonitrile (NR), starting product of Sulfolane, Chloroprene, Hexadamine, softeners, Tetrahydrophthalic acid anhydride, residual monomer in ABS |  | 10-Jan-2005 |
| 411 | butoxypropanol   | 29387-86-8               | M     |    | Renault 2007   |  |  |  |             |
| 412 | Butyl benzyl phthalate   | 85-68-7                  | E, R  | FI | Scania, Grevist, 20.02.2019  |  | Plastics, Rubber, Adhesives, Paints  |  | 26-Feb-1998 |
| 413 | butyl methacrylate/ n-Butyl methacrylate   | 97-88-1                  | M / C |    | Kubota 2014/ Renault 2007  |  |  |  |             |
| 414 | butyl propionate   | 590-01-2                 | M     |    | Renault 2007   |  |  |  |             |
| 415 | C.I. Disperse Yellow 3   | 2832-40-8                | D     | FI | California Proposition 65  |  | Used as a dyeing agent for textiles, and also used for coloring polymethyl methacrylate  |  | 1-Feb-2019  |
| 416 | C.I. Pigment Yellow 36/ Zinc yellow (Zinc chromate pigment)  | 37300-23-5               | P / R | FI | Kubota 2014/ Renault 2007  |  |  |  |             |
| 417 | Cadmium and its compounds, all members   |                          | D/P   | LR | Dir. 2000/53/EC<br>Reg. (EC) No 1272/2008<br>Reg. (EC) No 552/2009<br>Reg. (EC) No 1907/2006 (REACH)<br>GB/T 30512 (ELV China) |  | Surface protection of metals, stabilizers in polymers, pigments, in paints and plastics, electronics   | 0.01% for impurities, any intentionally added content must be reported | 10-Jan-2005 |
|     | Antimony compound with cadmium (2:3)   | 12014-29-8               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Boric acid, cadmium salt   | 51222-60-7               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | C.I. Pigment Orange 20 (Cadmium sulfoselenide orange)  | 12656-57-4               | P     | LR |  |  |  |  | 10-Jan-2005 |
|     | C.I. Pigment Red 108 Cadmium sulfoselenide red   | 58339-34-7               | P     | LR |  |  |  |  | 1-Feb-2009  |
|     | Cadmate(2-), tetrakis(cyano-C), dipotassium, (T-4)   | 14402-75-6               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium  | 7440-43-9                | D/P   | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  |  | 10-Jan-2005 |
|     | Cadmium acetate  | 543-90-8                 | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium acrylate   | 15743-19-8               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium arsenide (Cd3As2)  | 12606-15-4               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium bis(2-ethylhexanoate)  | 2420-88-6                | D/P   | LR |  |  |  |  | 1-Feb-2016  |
|     | Cadmium bromide  | 7789-42-6                | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium bromide, tetrahydrate  | 13464-92-1               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium carbonate  | 513-78-0                 | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium chloride   | 10108-64-2               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium chloride phosphate (Cd5Cl(PO4)3)   | 12185-64-7               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium chloride phosphate (Cd5Cl(PO4)3), manganese-doped  | 100402-53-7              | D/P   | LR |  |  |  |  | 10-Jan-2007 |
|     | Cadmium chloride, hydrate (2:5)  | 7790-78-5                | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium chromate   | 14312-00-6               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium cyanide (Cd(CN)2)  | 542-83-6                 | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium dilaconate   | 14923-81-0               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium dinitrite  | 7790-83-2                | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium dithiocarbamate  | 13832-25-2               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium fluoride   | 14486-19-2               | D/P   | LR |  |  |  |  | 10-Jan-2002 |
|     | Cadmium fluoride (CdF2)  | 7790-79-6                | D/P   | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  |  | 10-Jan-2005 |
|     | Cadmium hexafluorosilicate(2-)   | 17010-21-8               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium hydrogen phosphate   | 14067-62-0               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium hydroxide (Cd(OH)2)  | 21041-95-2               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium iodate   | 7790-81-0                | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium iodide   | 7790-80-9                | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium Litophone Yellow   | 90604-90-3               | D/P   | LR |  |  |  |  | 1-Feb-2009  |
|     | Cadmium Mercury Sulfide  | 1345-09-1                | D/P   | LR |  |  |  |  | 1-Feb-2009  |
|     | Cadmium mercury telluride ((Cd,Hg)Te)  | 29870-72-2               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium molybdenum oxide (CdMoO4)  | 13972-68-4               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium niobium oxide (Cd2Nb2O7)   | 12187-14-3               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium nitrate  | 10022-68-1               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | (Nitric acid cadmium salt tetrahydrate (Cd · 2HNO3 · 4H2O))  |                          |       |    |  |  |  |  |             |
|     | Cadmium nitrate  | 10325-94-7               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | (Nitric acid cadmium salt (2:1) (Cd · 2HNO3))  |                          |       |    |  |  |  |  |             |
|     | Cadmium oxide  | 1306-19-0                | D/P   | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  |  | 10-Jan-2005 |
|     | Cadmium oxide (CdO), solid solution with calcium oxide and titanium oxide (TiO2), praseodymium-doped                     | 101356-99-4              | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium oxide (CdO), solid solution with magnesium oxide, tungsten oxide (WO3) and zinc oxide                            | 102110-30-5              | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium peroxide (Cd(O2))  | 12139-22-9               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium phosphide (Cd3P2)  | 12014-28-7               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium propionate   | 16986-83-7               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide (CdSe)  | 1306-24-7                | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped  | 101357-00-0              | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped | 101357-01-1              | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped             | 101357-02-2              | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped   | 101357-03-3              | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped | 101357-04-4              | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide sulfide (Cd(Se,S))  | 12626-36-7               | P     | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide sulfide (Cd2SeS)  | 12214-12-9               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide sulfide (CdSe0.53Se0.47)  | 71243-75-9               | D/P   | LR |  |  |  |  | 10-Jan-2005 |
|     | Cadmium selenide sulfide, (Cd2SeS)   | 12213-70-6               | D/P   | LR |  |  |  |  | 10-Jan-2005 |

|     |  |                          |         |       |   |   |                                 |  |                      |             |
|-----|--|--------------------------|---------|-------|---|---|---------------------------------|--|----------------------|-------------|
|     | Cadmium selenide sulphide  | 11112-63-3               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium stearate   | 2223-93-0                | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium succinate  | 141-00-4                 | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium sulfate  | 10124-36-4<br>31119-53-6 | D/P     | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)<br>Included in list of substances under REACH PACT assessment |   |                                 | Pigment, PVC stabilizer, paints  |                      | 10-Jan-2005 |
|     | Cadmium sulfate, hydrate   | 7790-84-3                | D/P     | LR    | Reg. (EC) No 1907/2006 (REACH Annex XVII)   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium sulfide  | 1306-23-6                | D/P     | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium sulphite   | 13477-23-1               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium tantalum oxide (CdTa2O6)   | 12292-07-8               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium telluride (CdTe)   | 1306-25-8                | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium titanium oxide (CdTiO3)  | 12014-14-1               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium tungsten oxide (CdWO4)   | 7790-85-4                | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium vanadium oxide (CdV2O6)  | 16056-72-7               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium Zinc Iitophone Yellow  | 90604-89-0               | D/P     | LR    |   |   |                                 |  |                      | 1-Feb-2009  |
|     | Cadmium zinc sulfide   | 11129-14-9               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium zinc sulfide (Cd2ZnS)  | 12442-27-2               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmium Zinc Sulfide Yellow  | 8048-07-5                | D/P     | LR    |   |   |                                 |  |                      | 1-Feb-2009  |
|     | Cadmium zirconium oxide (CdZrO3)   | 12139-23-0               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | cadmium(+2) cation diformate   | 4464-23-7                | D/P     | LR    |   |   |                                 |  |                      | 1-Feb-2009  |
|     | Cadmium-barium laurate   | 15337-60-7               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Cadmiumbis(diethylthiocarbamat)  | 14239-68-0               | D/P     | LR    |   |   |                                 |  |                      | 1-Feb-2009  |
|     | Carbonic acid, cadmium salt  | 93820-02-1               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Diboron triscadmium hexaoxide  | 13701-66-1               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Dicadmium hexakis(cyano-Clferrate)4  | 13755-33-4               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Diphosphoric acid, barium cadmium salt   | 37131-86-5               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Diphosphoric acid, cadmium salt  | 19262-93-2               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Diphosphoric acid, cadmium salt (1:2)  | 15600-62-1               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Dipotassium tetrachlorocadmiate(2-)  | 20648-91-3               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Nonanoic acid, branched, cadmium salt  | 93686-40-9               | D/P     | LR    |   |   |                                 |  |                      | 1-Feb-2009  |
|     | Phosphoric acid, ammonium cadmium salt (1:1:1)                                       | 14520-70-8               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Phosphoric acid, cadmium salt  | 13847-17-1               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Phosphoric acid, cadmium salt (2:3)  | 13477-17-3               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Selenic acid, cadmium salt (1:1)   | 13814-62-5               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Selenious acid, cadmium salt (1:1)   | 13814-59-0               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Silicic acid (H2SiO3), cadmium salt (1:1)  | 13477-19-5               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Silicic acid, zirconium salt, cadmium pigment-encapsulated                           | 102184-95-2              | D/P     | LR    |   |   |                                 |  |                      | 1-Feb-2018  |
|     | Sulfamic acid, cadmium salt (2:1)  | 14017-36-8               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Telluric acid (H2TeO3), cadmium salt (1:1)   | 15851-44-2               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Telluric acid (H2TeO4), cadmium salt (1:1)   | 15852-14-9               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Tetradecanoic acid, cadmium salt   | 10196-67-5               | D/P     | LR    |   |   |                                 |  |                      | 10-Jan-2005 |
| 418 | Cadmium chloride   | 10108-64-2               | P/R     | FI    |   | Kubota 2014/ Renault 2007   |                                 | printing, galvanizing, photography   |                      |             |
| 419 | cadmium oxide  | 1306-19-0                | P / R   |       |   | Scania 2014/ Kubota 2014/ Renault 2007  |                                 | Scania 2014; Laboratory chemicals/ Application: Manufacturing of other cadmium compounds; batterie fluorescent substance   |                      |             |
| 420 | cadmium selenide (CdSe)  | 1306-24-7                | P / R   |       |   | Kubota 2014/ Renault 2007   |                                 |  |                      |             |
| 421 | cadmium stearate   | 2223-93-0                | P / R   | FI    |   | Kubota 2014/ Renault 2007   |                                 |  |                      |             |
| 422 | Cadmium sulphate   | 10124-36-4, 31119-53-6   | C, M, R | FI    | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007   |   |                                 | Can occur as a colorant in goods of plastics; lab tests for arsenic titration  |                      | 17-Dec-2014 |
| 423 | Cadmium sulphide   | 1306-23-6                | C       | FI    | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007   |   |                                 | Additives in the manufacture of glass and glass mass. Production of inorganic pigments. Production of organic cadmium compounds. Laboratory Chemicals.                                   |                      | 16-Dec-2013 |
| 424 | calcium chromate (VI)  | 13765-19-0               | P / R   | FI    |   | Kubota 2014/ Renault 2007   |                                 | Renault 2007; pigment  |                      |             |
| 425 | camphechlor/ Polychloro-2,2-dimethyl-3-methylidenebicyclo                            | 8001-35-2                | P       | FI    |   | Kubota 2014/ Bosch 2009   |                                 | Bosch 2012: prohibition of use   |                      |             |
| 426 | captan   | 133-06-2                 | D       |       |   | Renault 2007  |                                 | fungicide, bactericide, plastic, leather and paint   |                      |             |
| 427 | CFC 11<br>Trichlorofluoromethane (R 11)  | 75-69-4                  | P       | FI    |   | Kubota 2014/ Bosch 2009/ Renault 2007   |                                 | Bosch 2012: prohibition to use, exceptions see regulation, used as coolants, firefighting agents, cleaning agents; / Cooling agent, freon  |                      |             |
| 428 | CFC 114<br>Dichlorotetrafluoroethane (R 114)/ 1,2 Dichloro-1,1,2,2-tetrafluoroethane | 76-14-2                  | P       | FI    |   | Kubota 2014/ Bosch 2009   |                                 | Bosch 2012: prohibition to use, exceptions see regulation, used as coolants, firefighting agents, cleaning agents; / Cooling agent, freon  |                      |             |
| 429 | CFC 115<br>Chloropentafluoroethane (R 115)   | 76-15-3                  | P       | FI    |   | Kubota 2014/ Bosch 2009   |                                 | Bosch 2012: prohibition to use, exceptions see regulation, used as coolants, firefighting agents, cleaning agents; / Cooling agent, freon  |                      |             |
| 430 | CFC 12<br>Dichlorodifluoro methane (R 12)  | 75-71-8                  | P       | FI    |   | Kubota 2014/ Bosch 2009   |                                 | Bosch 2012: prohibition to use, exceptions see regulation, used as coolants, firefighting agents, cleaning agents; / Cooling agent, freon  |                      |             |
| 431 | CFC compounds  | Several                  | O       |       |   | Scania, Blacklist, 20.02.2019   |                                 | Cooling agent "Freon"  |                      | 24-Feb-1998 |
| 432 | chlordane  | 57-74-9                  | P       | FI    |   | Kubota 2014/ Bosch 2009/ Renault 2007   |                                 | Bosch 2012: prohibition of use;  |                      |             |
| 433 | Chlorinated alkanes, C10 - C13 (SCCP/ Chlorinated paraffin (C=10-13)                 | 85535-84-8               | D / C   | FI    |   | Kubota 2014/ Bosch 2009   |                                 | Flame retardants, plasticizers, cooling lubricants, hydraulic oils. (Ford, 2010); all products   |                      |             |
| 434 | Chlorinated hydrocarbons, selected   |                          | D/P     | FI/LR |   | Multiple (see below).<br>Several chlorinated hydrocarbons listed are not explicitly prohibited in applications associated with manufactured articles, however, within the EU there is a general regulatory presumption toward substitution for industrial uses. |                                 | Solvent and other dispersive applications. Also includes manufacturing process uses resulting in impurities associated with leather, foams, paints, rubbers, and adhesives applications. |                      | 10-Jan-2005 |
|     | 1,1,1-Trichloroethane (Ethane, 1,1,1-trichloro-)                                     | 71-55-6                  | P       | LR    | Reg. (EC) No 1005/2009; Montreal Protocol; US EPA Class 1 ODS   |   |                                 |  |                      | 10-Jan-2005 |
|     | 1,1,1,2-Tetrachloroethane  | 630-20-6                 | D       | FI    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | 1,1,2 Trichloroethane  | 79-00-5                  | D       | FI    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Dichloromethane  | 75-09-2                  | D       | FI    |   |   |                                 |  |                      | 10-Jan-2005 |
|     | Trichloroethylene  | 79-01-6                  | D/P     | LR    | Reg. (EC) No 1272/2008 (Carc. Cat. 3)<br>99/13/EEC<br>Reg. (EC) No 1907/2006 (REACH Annex XIV)              | 21-Apr-16   | REACH Authorisation Sunset Date |  |                      | 10-Jan-2005 |
| 435 | Chlorinated or brominated Dibenzo-p-dioxins or Dibenzofurans, all members            |                          | P       | LR    |   | Reg. (EC) 850/2004  |                                 | Impurities in products   | Content above 10 ppb | 10-Jan-2005 |
|     | 1,2,3,4,6,7,8-Heptachlorodibenzofuran  | 67562-39-4               | P       | LR    |   | Reg. (EC) 850/2004  |                                 |  |                      | 10-Jan-2005 |



|     |  |             |     |       |   |  |  |   |    |  |             |
|-----|--|-------------|-----|-------|---|--|--|---|----|--|-------------|
|     | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  | 35822-46-9  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 1,2,3,4,7,8-Hexachlorodibenzofuran   | 55673-89-7  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 1,2,3,4,7,8-Hexachloro dibenzofuran  | 70648-26-9  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin   | 39227-28-6  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 1,2,3,6,7,8-Hexachloro dibenzofuran  | 57117-44-9  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin   | 57653-65-7  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 1,2,3,7,8,9-Hexachloro dibenzofuran  | 72918-21-9  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin   | 19408-74-3  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 1,2,3,7,8-Pentachloro dibenzofuran   | 57117-41-6  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 1,2,3,7,8-Pentachlorodibenzo-p-dioxin  | 40321-76-4  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 2,3,4,6,7,8-Hexachloro dibenzofurans   | 80851-34-5  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 2,3,4,7,8-Pentachloro dibenzofurans  | 57117-31-4  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 2,3,7,8-Tetrachloro dibenzofurans  | 51207-31-9  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)   | 1746-01-6   | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | 2,7-Dichlorodibenzo-p-dioxin   | 33857-26-0  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | Hexachlorodibenzodioxin  | 34465-46-8  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | Octachlorodibenzofuran   | 39001-02-0  | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
|     | Octachlorodibenzo-p-dioxin   | 3268-87-9   | P   | LR    | Reg. (EC) 850/2004  |  |  |   |    |  | 10-Jan-2005 |
| 436 | Chlorinated paraffins, short & medium chain length (SCCP, MCCP), all members:<br>Note that the use of specific CAS numbers for these substances differs throughout the world. Example CAS numbers are provided below; however, other CAS numbers may be used that are not specific to chain length. Therefore, please consult your MSDS and supplier to determine product-specific chain length. |             | D/P | FI/LR | Reg. (EC) 850/2004  |  |  | Flame retarding substances  | 1% |  | 10-Jan-2005 |
| 437 | Short chain (SCCP), by definition:<br>Chloroparaffins, unbranched, C <sub>x</sub> H <sub>2(x-y+2)</sub> Cl <sub>y</sub> , where x = 10-13 and y = 1-13   |             |     |       | (EC) No 552/2009 prohibits applications as "metalworking" and "liquoring of leather". Netherlands 2004/1/EC prohibits use as plasticisers in paints, coatings or sealants and as flame-retardant in rubber, plastics or textiles. |  |  |   |    |  |             |
|     | Alkanes, C <sub>10-12</sub> , chloro   | 108171-26-2 | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Alkanes, C <sub>10,13</sub> , chloro   | 85535-84-8  | P   | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  | Flame retardants in rubbers and textiles, paints and coatings, etc., extreme pressure additives in metal working fluids.  |    |  | 10-Jan-2005 |
|     | Alkanes, C <sub>12,13</sub> , chloro   | 71011-12-6  | P   | LR    |   |  |  | Flame retardants in rubbers and textiles, paints and coatings, etc., extreme pressure additives in metal working fluids.  |    |  | 10-Jan-2005 |
|     | Medium chain (MCCP), by definition:<br>Chloroparaffins, unbranched, C <sub>x</sub> H <sub>2(x-y+2)</sub> Cl <sub>y</sub> , where x = 14-17 and y = 1-17  |             |     |       |   |  |  |   |    |  |             |
|     | Alkanes, C <sub>14,17</sub> , chloro   | 85535-85-9  | D   | FI    |   |  |  | Secondary plasticisers in polyvinyl chloride (PVC), extreme pressure additives in metal working fluids, plasticisers in paints, additives to adhesives and sealants, in fat liquors used in leather processing, flame retardant plasticisers in rubbers and oth |    |  | 10-Jan-2005 |
|     | OTHER: may or may not be short or medium chain.  |             |     |       |   |  |  |   |    |  |             |
|     | Alkanes, C <sub>10,21</sub> , chloro   | 84082-38-2  | D/P | FI    | All uses are "D" unless a C10 to C13 substance is present. Check with supplier to assure that no P substances (C10 to C13, see SCCP above) are included. If they are present the substance is classified P!                       |  |  |   |    |  | 10-Jan-2005 |
|     | Alkanes, chloro; chloroparaffins   | 61788-76-9  | P   | LR    | Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale any SCCP effective January 1, 2013.  |  |  |   |    |  | 10-Jan-2005 |
|     | Paraffin waxes and Hydrocarbon waxes, chloro   | 51990-12-6  | D   | FI    | UK DEFRA  |  |  |   |    |  | 10-Jan-2005 |
|     | Paraffin waxes, chloro   | 63449-39-8  | P   | LR    | Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale any SCCP effective January 1, 2013.  |  |  |   |    |  | 10-Jan-2005 |
|     | Chlorinated n-paraffins (C <sub>10-13</sub> )  | 68920-70-7  | P   | LR    | Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale any SCCP effective January 1, 2013.  |  |  |   |    |  | 10-Jan-2005 |
|     | Alkane, C10-14-, Chloro  | 85681-73-8  | D/P | FI    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2009  |
|     | Alkane, C12-14-, Chloro  | 85536-22-7  | D/P | FI    |   |  |  |   |    |  | 1-Feb-2009  |
|     | Alkane, C16-27-, Chloro  | 84776-07-8  | D/P | FI    |   |  |  |   |    |  | 1-Feb-2009  |
|     | Alkane, C16-35-, Chloro  | 85049-26-9  | D/P | FI    |   |  |  |   |    |  | 1-Feb-2009  |
|     | Alkene, C12-24-, Chloro  | 68527-02-6  | D/P | FI    |   |  |  |   |    |  | 1-Feb-2009  |
|     | Alkanes, C10-26, chloro  | 97659-46-6  | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Alkanes, C10-32, chloro  | 84776-06-7  | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Paraffins (petroleum), normal C>10, chloro   | 97553-43-0  | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Undecane, 1,1,1,3,5,7,9,11,11-nonachloro   | 18993-26-5  | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Undecane, 1,1,1,3,6,7,10,11-octachloro   | 601523-20-0 | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Undecane, 1,1,1,3,9,11,11,11-octachloro  | 601523-25-5 | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Undecane, 1,2,10,11,12,2,2-octachloro  | 221174-07-8 | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Undecane, decachloro   | 276673-33-7 | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Undecane, heptachloro  | 219697-10-6 | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Undecane, nonachloro   | 219697-11-7 | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |
|     | Undecane, octachloro   | 36312-81-9  | P   | LR    | Japan Chemical Substances Control Law [Class1]  |  |  |   |    |  | 1-Feb-2019  |

|     |   |                       |              |    |  |                          |                                 |   |   |             |
|-----|---|-----------------------|--------------|----|--|--------------------------|---------------------------------|---|---|-------------|
| 438 | Chlorinated Paraffins; linear   | 85535-84-8 and others | P            | FI | Volvo 2015/ Renault 2007/ Scania 2014  |                          |                                 |   | Bosch 2012: 0.1, however prohibited for developing new materials or material alterations; flame retardants, plasticizers, cooling lubricants, hydraulic oils; / Volvo 2012: Additives in process oils, metal working fluids, adhesives and sealants; / Oils, fire retardants<br>Exception: only trichloroethene, perchloroethene and dichloromethane are permitted as solvents for surface cleaning   |             |
| 439 | Chlorine (all compounds)  | 7782-50-5             | D            | FI | Renault 2007   |                          |                                 |   |   |             |
| 440 | chloroalkanes (C10-C14)   | 85681-73-8            | P / C        | FI | Kubota 2014/ Renault 2007  |                          |                                 |   |   |             |
| 441 | chloroalkanes (C12-C13)   |                       | P            | FI | Renault 2007   |                          |                                 |   |   |             |
| 442 | chloroalkanes (C12-C14)   | 85536-22-7            | P / C        | FI | Kubota 2014/ Renault 2007  |                          |                                 |   |   |             |
| 443 | Chlorocresol (meta-); 4-Chloro-m-cresol/ 4-Chloro-3-methylphenol  | 59-50-7               | E, A         | FI | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007  |                          |                                 |   | Lubricants, Paints Cutting fluids   | 26-Feb-1998 |
| 444 | Chlorocresol (ortho-)   | 1570-64-5             | E (probably) | FI | Scania, Greylist, 20.02.2019   |                          |                                 |   | Lubricants, Paints Cutting fluids   | 26-Feb-1998 |
| 445 | chlorodiphenyl 42% Cl/ Aroclor 1242   | 53469-21-9            | P            | FI | Kubota 2014/ Renault 2007  |                          |                                 |   |   |             |
| 446 | Chlorofluorocarbons (CFC) or other Ozone depleting substances   | various               | P            | FI | Volvo 2014/ Bosch 2009   |                          |                                 |   | Volvo 2014: Coolants, cleaners, solvents; Bosch 2012: prohibition to use, exceptions see regulation, used as coolants, firefighting agents, cleaning agents; / Volvo 2012: Coolants, cleaners, solvents; / Coolants, propellants, cleaners, solvents, impregnating agents, blowing agents (PU production)<br>Exception:<br>CFCs used to service existing equipment where legally permitted  |             |
| 447 | Chloroform  | 67-66-3               | C, R         | FI | Scania, Greylist, 20.02.2019   |                          |                                 |   |   | 26-Feb-1998 |
| 448 | chloromethane   | 74-87-3               | D / C        | FI | Kubota 2014/ Renault 2007  |                          |                                 |   |   |             |
| 449 | Chloromethyl isothiazolinone  | 26172-55-4            | A            | FI | Scania, Greylist, 20.02.2019   |                          |                                 |   |   | 26-Feb-1998 |
| 450 | Chloromethyl isothiazolinone/ 5-chloro-2-methyl-4-thiazoline-3-ketone   | 26172-55-4            | D / C        | FI | Scania 2014/ Kubota 2014/ Renault 2007   |                          |                                 |   | Aqueous solutions Cutting fluids Paints<br>Scania 2014: Aqueous solutions, Cutting fluids, Paints/ Application: This standard applies to every deliberate addition of Biocides listed. Concentration limit is 0%; Aqueous solutions, in polymer materials and their intermediate products, Polymers; (Scania, 2010): aqueous solutions, cutting fluids, paints<br>fungicide   | 26-Feb-1998 |
| 451 | chlorothalonil/ Tetrachloroisophthalonitrile  | 1897-45-6             | D / C        | FI | Kubota 2014/ Renault 2007  |                          |                                 |   |   |             |
| 452 | chlorotoluron   | 15545-48-9            | D            | FI | Renault 2007   |                          |                                 |   |   |             |
| 453 | Chlorotrifluoro methane (R 13)/ Chlorotrifluoromethane(CFC- 13)   | 75-72-9               | P            | FI | Kubota 2014/ Bosch 2009  |                          |                                 |   | Bosch 2012: prohibition to use, exceptions see regulation, used as coolants, firefighting agents, cleaning agents; / Cooling agent, freon   |             |
| 454 | chlorpyrifos/ O,O-Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate  | 2921-88-2             | D / C        | FI | Kubota 2014/ Renault 2007  |                          |                                 |   | insecticide   |             |
| 455 | Chrom(III)-salt   | 24613-89-6            | P            | FI | Renault 2007   |                          |                                 |   |   |             |
| 456 | chromate(2-), [1-[5-chloro-2-hydroxyphenyl]azo]-2-naphthalenolato[2-]] [4-hydroxy-3-[2-hydroxy-3,5-dinitrophenyl]azo]-7-[[4-methoxyphenyl]amino]-2-naphthalenesulfonato(3-)]-, disodium | 118685-33-9           | D            | FI | Renault 2007   |                          |                                 |   | Renault 2007: azo dye   |             |
| 457 | chromic acid H2CrO4   | 7738-94-5             | P / R        | FI | Scania 2014/ Kubota 2014/ Renault 2007   |                          |                                 |   | Scania 2014: Metal finishing, conversion coatings; Bosch 2012: 0.1, however prohibited for developing new materials or material alterations; /  |             |
| 458 | Chromium  | 7440-47-3             | D / C        | FI | Kubota 2014/ Renault 2007  |                          |                                 |   |   |             |
| 459 | Chromium (VI) chromate (Cr6+) Chromium (VI) chromate (Cr6+)/ Chromium (VI)  | 18540-29-9            | P / R        | FI | Kubota 2014/ Renault 2007  |                          |                                 |   | all products - except those below   |             |
| 460 | Chromium (VI) compounds   | Several               | A, C, E      | FI | Scania, Greylist, 20.02.2019   |                          |                                 |   | Surface treatment Pigment   | 26-Feb-1998 |
| 461 | chromium hexacarbonyl   | 13007-92-6            | P            |    | Renault 2007   |                          |                                 |   |   |             |
| 462 | chromium trioxide; Chromium (VI), oxide   | 1333-82-0             | P / R        | FI | Scania 2014/ Kubota 2014/ Renault 2007   |                          |                                 |   | Scania 2014: Metal finishing, conversion coatings; Bosch 2012: 0.1, however prohibited for developing new materials or material alterations; / oxidising agent, battery, chromium plating   |             |
| 463 | Chromium(VI)-salts (Cr+6; Hexavalent) (chromyl dichloride; chromic oxychloride)   | 14977-61-8            | P / R        | FI | Kubota 2014/ Ford 2015/ Renault 2007   |                          |                                 |   | Bosch 2012: limit value valid only for business division Drive and Control Technology (Bosch Rexroth AG and affiliates): 0.1 m% in coating materials for lacquer and agents for surface treatment; /Surface treatment Chromium pigments, chromated surfaces e.g. "Chromium Yellow", corrosion inhibitors, residues from dyeing and leather tanning.<br>for impurities, any intentionally introduced Chromium IV content must be reported<br>(2010) Scania grey: For surface treated threaded fasteners and other components limit value is 0.3 µg/cm2 when tested according to Swedish standard SS239. For other components and processes the general concentration limit of 0.1 % is to be followed.; (Ford, 2010): all products |             |
| 464 | Chromium(VI)-salts, all members   |                       | D/P          | LR | Reg. (EC) No 1272/2008, Reg. (EU) No 301/2014 Dir. 2000/53/EC<br>Reg. (EC) No 1907/2006 (REACH) GB/T 30512 (ELV China) | selected, see list below | REACH Authorisation Sunset Date | Chromium pigments, chromated surfaces e.g. "Chromium Yellow", corrosion inhibitors, residues from dyeing and leather tanning. | 0.1% for impurities, any intentionally added content must be reported, 3mg/kg of chromium VI content in the total dry weight of the leather   | 10-Jan-2005 |
|     | Ammonium bichromate   | 7789-09-5             | D/P          | LR | Reg. (EC) No 1907/2006 (REACH Annex XIV)   |                          | 21-Sep-17                       | REACH Authorisation Sunset Date   |   | 10-Jan-2005 |
|     | Ammonium chromate   | 7788-98-9             | D/P          | LR |  |                          |                                 |   |   | 10-Jan-2005 |
|     | Barium chromate   | 10294-40-3            | D/P          | LR |  |                          |                                 |   |   | 10-Jan-2005 |
|     | Cadmium chromate  | 14312-00-6            | D/P          | LR |  |                          |                                 |   |   | 1-Feb-2014  |
|     | C.I. Pigment Orange 21  | 1344-38-3             | D/P          | LR | Reg. (EC) No 1907/2006 (REACH Annex XVII)  |                          |                                 |   |   | 10-Jan-2005 |
|     | Calcium chromate  | 13765-19-0            | D/P          | LR |  |                          |                                 |   |   | 10-Jan-2005 |
|     | Chromic acid, calcium salt, (Calcium dichromate)  | 14307-33-6            | D/P          | LR |  |                          |                                 |   |   | 1-Feb-2012  |



|  |                        |     |    |    |  |   |  |  |  |             |
|--|------------------------|-----|----|----|--|---|--|--|--|-------------|
| Aluminum cobalt oxide  | 12672-27-4             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Aluminum cobalt oxide (Al2CoO4)  | 1333-88-6              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Ammonium bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]-N-methylbenzenesulphonamide S,S-dioxidato(2-)]cobaltate(1-)   | 83847-05-6             |     |    | FI |  |   |  |  |  | 10-Jan-2005 |
| Ammonium cobalt orthophosphate   | 36835-61-7             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Antimony, compound with cobalt (1:1)   | 12052-42-5             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Arsenic acid (H3AsO4), cobalt(2+) salt (2:3)   | 24719-19-5             | D   | FA |    |  |   |  |  |  | 10-Jan-2005 |
| Arsenopyrite, cobaltoan  | 12414-94-7             | D   | FA |    |  |   |  |  |  | 1-Feb-2013  |
| Benzoic acid, 4-amino-, cobalt(2+) salt (2:1)  | 68123-03-5             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Benzoic acid, methyl-, cobalt salt   | 42978-77-8             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Bis(1,3-diphenylpropane-1,3-dionato-O')cobalt  | 14405-50-6             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Bis(1-phenylbutane-1,3-dionato-O')cobalt   | 14128-95-1             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Bis(6-methylheptane-2,4-dionato-O')cobalt  | 79215-59-1             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Bis(D-gluconato-O1,O2)cobalt   | 71957-08-9             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Bis(dibutylidithiocarbamato-S,S')cobalt  | 14591-57-2             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Bis(diethylidithiocarbamato-S,S')cobalt  | 15974-34-2             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Bis(N,N-dimethylpropane-1,3-diamine-N')[(2,3,9,10,16,17,23,24-octahydro-29H,31H-tetrakis[1,4]dithiino[2,3-b:2',3'-g:2'',3''-l:2''',3''''-q]porphyrinato(2-)-N29,N30,N31,N32)cobalt | 83863-98-3             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Bis(N,N-dimethylpropane-1,3-diamine-N')[(29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32)cobalt   | 83863-97-2             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Bis[2-[(5-chloro-2-pyridyl)azo]-5-(diethylamino)phenolato]cobalt(1+) chloride  | 81342-98-5             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Carbonic acid, cobalt salt   | 7542-09-8              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cassiterite, cobalt manganese nickel grey  | 99749-23-2             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cerium, compound with cobalt (1:5)   | 12214-13-0             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cerium, compound with cobalt (2:7)   | 12515-29-6             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Chloro[2,2',2''-nitri-tris(ethanolato)-N,O,O',O']cobalt  | 36217-04-6             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Chloropentakis(methylamino)cobalt dichloride   | 15392-59-3             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Chromium cobalt copper iron manganese oxide  | 102262-21-5            | D   | FI |    |  |   |  |  |  | 1-Feb-2014  |
| Chromium cobalt iron manganese oxide   | 102262-22-6            | D   | FI |    |  |   |  |  |  | 1-Feb-2014  |
| Chromium cobalt manganese oxide  | 102262-19-1            | D   | FI |    |  |   |  |  |  | 1-Feb-2014  |
| Chromium cobalt oxide  | 37382-24-4             | D   | FI |    |  |   |  |  |  | 1-Feb-2014  |
| Chromium cobalt oxide (Cr2CoO4)  | 12016-69-2             | D   | FI |    |  |   |  |  |  | 1-Feb-2014  |
| Cobalt (II) chloride, hexahydrate  | 7791-13-1              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt arsenide (CoAs)   | 27016-79-5             | D   | FA |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt arsenide (CoAs2)  | 12044-42-7             | D   | FA |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt arsenide (CoAs3)  | 12256-04-1             | D   | FA |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt bis(2-ethylhexanoate)   | 136-52-7               | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt bis(nonylphenolate)   | 83970-30-3             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt bis(citrate(3-))di-μ-oxodioxodimolybdate(2-)  | 93776-58-0             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt, borate 2-ethylhexanoate complexes  | 91782-80-4             | D   | FI |    |  |   |  |  |  | 1-Feb-2019  |
| Cobalt, borate propionate complexes  | 91782-61-5             | D   | FI |    |  |   |  |  |  | 1-Feb-2019  |
| Cobalt boride (Co2B)   | 12045-01-1             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt boride (Co3B)   | 12006-78-9             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt carbonate   | 513-79-1               | D   | LR |    |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  | 10-Jan-2005 |
| Cobalt carbonyl  | 10210-68-1             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt chloride (CoCl3)  | 10241-04-0             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt chromate  |                        |     |    |    |  |   |  |  |  |             |
| (Chromic acid (H2CrO4), cobalt(2+) salt (1:1))   | 13455-25-9             | D/P | LR |    |  |   |  |  |  | 1-Feb-2014  |
| Cobalt chromite blue green spinel  | 68187-50-8             | D   | FI |    |  |   |  |  |  | 1-Feb-2012  |
| Cobalt chromium alloy  | 11114-92-4             | D   | FI |    |  |   |  |  |  | 1-Feb-2014  |
| Cobalt dilactate   | 16039-54-6             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt dilaurate   | 14960-16-8             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt dilinoleate   | 6401-84-9              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt diminolate  | 28029-53-0             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt dioctanoate   | 1588-79-0              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt dioleate  | 19192-71-3             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt dipalmitate   | 14582-18-4             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt disodium ethylenediaminetetraacetate  | 15137-09-4             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt distearate  | 1002-88-6              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt disulfide   | 12013-10-4             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt fluoride (CoF3)   | 10026-18-3             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt glycinate   | 17829-66-2             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt hexafluorosilicate(2-)  | 12021-67-9             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt hydroxide   | 21041-93-0             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt hydroxide oxide (Co(OH)O)   | 12016-80-7             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt iodide (CoI2)   | 15238-00-3             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt iron oxide (CoFe2O4)  | 12052-28-7             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt lithium manganese nickel oxide  | 182442-95-1345417-97-8 | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt magnesium red blue borate   | 68608-93-5             | D   | FI |    |  |   |  |  |  | 1-Feb-2012  |
| Cobalt metasilicate  | 25139-08-6             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt molybdenum nickel oxide (CoMo2NiO6)   | 68016-03-5             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt naphthenate   | 61789-51-3             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt neodecanoate  | 27253-31-2             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt nickel oxide (CoNiO2)   | 58591-45-0             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt nitrate   | 10026-22-9             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt octoate   | 13586-82-8             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt oxide   | 1307-96-6              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt oxide (Co2O3)   | 1308-04-9              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt oxide (Co3O4)   | 1308-06-1              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt phosphide (Co3P)  | 12134-02-0             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt propionate  | 1560-69-6              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt selenide (CoSe)   | 1307-99-9              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt silicate  | 26686-74-8             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt silicide (CoSi2)  | 12017-12-8             | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |
| Cobalt succinate   | 3267-76-3              | D   | FI |    |  |   |  |  |  | 10-Jan-2005 |

|  |  |             |   |    |   |  |  |  |  |             |
|--|--|-------------|---|----|---|--|--|--|--|-------------|
|  | Cobalt sulfate heptahydrate  | 10026-24-1  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt sulfide (CoS <sub>2</sub> )   | 1332-71-4   | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt tellurate   | 61789-52-4  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt telluride (CoTe)  | 12017-13-9  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt tetra(2-ethylhexyl) bis(phosphate)  | 24829-46-4  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt tin oxide (CoSnO <sub>3</sub> )   | 1345-19-3   | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt titanium oxide (Co <sub>2</sub> TiO <sub>4</sub> )  | 12017-38-8  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt titanium trioxide   | 12017-01-5  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt titanium tungsten oxide ((Co,Ti,W)O <sub>2</sub> )  | 144437-67-2 | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt zirconium oxide (CoZrO <sub>3</sub> )   | 69011-09-2  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(2+) dibromide   | 14732-58-2  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(2+) dimnickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]  | 94232-44-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(2+) ethanoate   | 19330-29-1  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(2+) selenite  | 10026-23-0  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(2+) tert-decanoate  | 84195-99-3  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(2+), bis(1,2-ethanediamine-N,N'), bis[bis(cyano-C)aurate(1-)]   | 68958-90-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(2+), bis(1,2-propanediamine-N,N'), bis[bis(cyano-C)aurate(1-)]  | 67906-18-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(2+), pentaamminechloro-, dichloride, (OC-6-22)-   | 13859-51-3  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(3+), hexaammine-, (OC-6-11)-, phosphate (1:1)   | 55494-92-3  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(3+), hexaammine-, (OC-6-11)-, salt with trifluoroacetic acid(1:3)   | 59561-55-6  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(3+), hexaammine-, (OC-6-11)-, triacetate  | 14023-85-9  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(3+), hexaammine-, (OC-6-11)-, trinitrate  | 10534-86-8  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(3+), hexaammine-, trichloride, (OC-6-11)-   | 10534-89-1  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(3+), tris(1,2-ethanediamine-N,N'), trichloride, (OC-6-11)-  | 13408-73-6  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(II) acetate   | 71-48-7     | D | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(II) fluoride  | 26490-63-1  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(II) fluoride  | 10026-17-2  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt(II) sulfide   | 1317-42-6   | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, ((2,2-(1,2-ethanediybis(nitrilomethylidene))bis(6-fluorophenolato))(2)-N,N',O,O')  | 62207-76-5  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, [(2-amino-2-oxoethoxy)acetato(2-)]-  | 68133-85-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, [29H,31H-phthalocyaninato(2-)-N <sub>29</sub> ,N <sub>30</sub> ,N <sub>31</sub> ,N <sub>32</sub> ]-, (SP-4-1)-                                 | 3317-67-7   | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, [29H,31H-phthalocyanine-C,C-disulfonyl dichloridato(2-)-N <sub>29</sub> ,N <sub>30</sub> ,N <sub>31</sub> ,N <sub>32</sub> ]-                  | 68189-40-2  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, [29H,31H-phthalocyanine-C-sulfonyl chloridato(2-)-N <sub>29</sub> ,N <sub>30</sub> ,N <sub>31</sub> ,N <sub>32</sub> ]-                        | 67875-38-1  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, [3-hydroxy-4-[[1-(p-mercaptophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]-o-benzenesulfonamididato(2-)]-, S-(hydrogen sulfate), monosodium salt | 18285-21-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, [4-hydroxy-3-[[1-(p-mercaptophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]-o-benzenesulfonohetidato(2-)]-, S-(hydrogen sulfate), monosodium salt | 19052-32-5  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, [N-(carboxymethyl)glycinato(2-)-N,O,ON]-   | 13869-30-2  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, bis(acetato-O)(1,4-diazabicyclo[2.2.2]octane-N1)-, homopolymer   | 68239-56-5  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, bis(D-glycero-D-ido-heptonato)-  | 68475-45-6  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, bis(dicyclohexylphosphinodithiato-S,S')-   | 40621-10-1  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, bis[(2,3-butanedione dioximato)(1-N,N')]-, (SP-4-1)-   | 3252-99-1   | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, bis[alpha-(1-oxo-1H-isoindol-3-yl)-1H-benzimidazole-2-acetonitrilato]-, (T-4)-   | 60109-88-8  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, bis[2-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-  | 69178-42-3  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, bis[3-(1H-benzimidazol-2-ylamino)-1H-isoindol-1-onato]-, (T-4)-  | 63287-28-5  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, bis[carbonato(2-)]hexahydroxypenta-  | 12602-23-2  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, C4-10-fatty acid naphthenate complexes   | 84066-85-3  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes  | 83711-42-6  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, C5-23-branched carboxylate naphthenate complexes   | 83711-43-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, C5-23-branched carboxylate naphthenate octanoate complexes   | 83711-44-8  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with gadolinium (3:1)   | 12017-50-4  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with gadolinium (5:1)   | 12017-61-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with gadolinium (7:2)   | 11139-24-5  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with lanthanum (3:1)  | 61419-68-9  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with lanthanum (5:1)  | 12297-66-4  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with lanthanum (7:2)  | 12289-07-4  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with neodymium (3:1)  | 12187-43-8  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with neodymium (5:1)  | 12017-65-1  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with neodymium (7:2)  | 12516-51-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with praseodymium (5:1)   | 12017-67-3  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with praseodymium (7:2)   | 12516-52-8  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with samarium (17:2)  | 12052-79-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with samarium (2:1)   | 12017-43-5  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with samarium (3:1)   | 12187-46-1  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with samarium (5:1)   | 12017-68-4  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with samarium (7:2)   | 12305-84-9  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with yttrium (3:1)  | 12052-62-9  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with yttrium (5:1)  | 12017-71-9  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, compound with yttrium (7:2)  | 12052-70-9  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, dibromobis(triphenylphosphine)-, (T-4)-  | 14126-32-0  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, dibromobis[tris(3,5-dimethylphenyl)phosphine]-, (T-4)-   | 69198-43-2  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, dibromobis[tris(3-methylphenyl)phosphine]-, (T-4)-   | 49651-10-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, dichloro(1,4-diazabicyclo[2.2.2]octane-N1)-, homopolymer   | 68239-58-7  | D | FI |   |  |  |  |  | 10-Jan-2005 |
|  | Cobalt, elemental  | 7440-48-4   | D | FI |   |  |  |  |  | 10-Jan-2005 |

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| Cobalt, tetrakis[(2,3-butanedione dioximato)(1-)-N,N']bis(pyridine)di-, (Co-Co)   | 25971-15-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobalt, tris(2,4-pentanedionato-O,O'), (OC-6-11)-   | 21679-46-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobalt, tris(3-bromo-2,4-pentanedionato-O,O'), (OC-6-11)-   | 15218-44-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobalt, acetate   | 5931-89-5   | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate (6-), [[1,2-ethanediy]bis[nitriolobis(methylene)]tetrakis(phosphonato)](6-)-N,N',O,O',O''',O''''',-pentaammonium hydrogen, (OC-6-21)-   | 68025-39-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate (6-), [[1,2-ethanediy]bis[nitriolobis(methylene)]tetrakis(phosphonato)](6-)-N,N',O,O',O''',O''''',-pentapotassium hydrogen, (OC-6-21)-  | 67924-23-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate (6-), [[1,2-ethanediy]bis[nitriolobis(methylene)]tetrakis(phosphonato)](6-)-N,N',O,O',O''',O''''',-pentasodium hydrogen, (OC-6-21)-   | 67969-67-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate (CoO21-), lithium   | 12190-79-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [1-[[5-(ethylsulfonyl)-2-hydroxyphenyl]azo]-2-naphthalenolato(2-)]methyl[[8-[[5-(ethylsulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-2-naphthalenyl]methylcarbamato(2-)]-, sodium  | 103241-62-9 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[(2-hydroxyphenyl)azo]-2-naphthalenolato(2-)], hydrogen, compound with 1-tridecanamine (1:1)  | 70815-19-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)], hydrogen   | 55668-56-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)], sodium   | 73507-67-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)], hydrogen   | 52277-73-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)], sodium   | 73507-66-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]3-[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)], hydrogen                              | 73324-02-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], hydrogen  | 72845-76-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], sodium                      | 70236-41-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32], hydrogen   | 30639-08-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32], sodium   | 52729-67-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)], hydrogen  | 72928-77-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)], hydrogen  | 72928-76-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]N-[7-hydroxy-8-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-1-naphthalenyl]acetamidato(2-)], hydrogen | 68413-61-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]N-[7-hydroxy-8-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-1-naphthalenyl]acetamidato(2-)], sodium   | 74499-63-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [3-[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)]4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], sodium                                       | 72403-33-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [3-[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)]4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(1-methylethyl)benzenesulfonamidato(2-)], sodium                     | 72391-10-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfonamide, dioxido(2-)], ammonium   | 83864-24-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfonamide, dioxido(2-)], sodium   | 83817-76-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(1-methylethyl)benzenesulfonamidato(2-)], sodium  | 72403-32-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]8-[(2-hydroxyphenyl)azo]-2-naphthalenolato(2-)], hydrogen, compound with 3-[(2-ethylhexyl)oxy]-1-propanamine (1:1)                                      | 73297-17-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |

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| Cobaltate(1-), [6-amino-5-((2-hydroxy-4-nitrophenyl)azo)-N-(2-hydroxypropyl)-2-naphthalenesulfonamidato(2-)]1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)], sodium   | 73195-17-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [C-(chlorosulfonyl)-29H,31H-phthalocyanine-C-sulfonato(2-)]K29,K30,K31,K32], hydrogen   | 68213-72-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']-hydrogen, (T-4)-   | 53108-50-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [N-β-[(5-(aminosulfonyl)-2-hydroxyphenyl)azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)]3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)], hydrogen  | 68239-47-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [N-β-[(5-(aminosulfonyl)-2-hydroxyphenyl)azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)]3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)], sodium  | 68966-96-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), [N-β-[(5-(aminosulfonyl)-2-hydroxyphenyl)azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)]3-[4,5-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)], sodium   | 59487-93-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis(2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)), sodium  | 67486-73-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)], sodium   | 64611-71-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)], hydrogen   | 52277-69-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)], sodium   | 73297-09-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[1-[(2-hydroxyphenyl)azo]-2-naphthalenolato(2-)], sodium   | 75752-30-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)], hydrogen  | 31586-68-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)], sodium  | 18639-97-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-(3-chlorophenyl)-2,4-dihydro-4-[(2-hydroxy-5-(methylsulfonyl)phenyl)azo]-5-methyl-3H-pyrazol-3-onato(2-)], hydrogen, compound with [1R-(1.alpha.,4a.beta.,10a.alpha.)]-1,2,3,4,4a,9,10,10a-octahydro-1,4a-dimethyl-7-(1-methylthio)-1:1ph | 20506-24-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-(3-chlorophenyl)-2,4-dihydro-4-[(2-hydroxy-5-(methylsulfonyl)phenyl)azo]-5-methyl-3H-pyrazol-3-onato(2-)], sodium   | 70236-44-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)], hydrogen  | 52256-38-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)], hydrogen, compound with cyclohexanamine (1:1)   | 71566-27-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)], sodium  | 71839-88-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2,4-dinitro-6-[(2-phenylamino)-1-naphthalenyl]azo]phenolato(2-)], sodium  | 125378-91-8 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[(2-amino-1-naphthalenyl)azo]-5-nitrophenolato(2-)], hydrogen   | 71566-34-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[(2-amino-1-naphthalenyl)azo]-5-nitrophenolato(2-)], sodium   | 68966-98-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[(2-hydroxy-4-nitrophenyl)azo]-1-naphthalenolato(2-)], hydrogen   | 6421-64-3   | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[(2-hydroxy-4-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)], sodium  | 81361-02-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)], hydrogen  | 13011-62-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)], hydrogen, compound with 1-butanamine (1:1)  | 72797-14-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)], sodium  | 71566-26-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[(2-hydroxy-5-(phenylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)], ammonium   | 125408-78-8 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[(2-hydroxy-5-(phenylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)], sodium   | 71562-83-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[[4-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)], sodium  | 66104-83-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)], hydrogen  | 72928-91-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)], sodium  | 72496-88-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-chlorophenyl)-3-oxobutanamidato(2-)], sodium  | 34735-28-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-ethylhexyl)-3-oxobutanamidato(2-)], sodium  | 72403-31-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-[[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)], sodium  | 74082-15-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-chloro-5-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)], hydrogen, compound with cyclohexanamine (1:1)   | 71839-87-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[2-chloro-5-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)], sodium  | 70179-69-0  | D | FI |  |  |  |  |  | 10-Jan-2005 |

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| Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)], hydrogen  | 68568-52-5  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)], sodium, (OC-6-22)   | 34664-47-6  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-N-(1-methylethyl)benzenesulfonamidato(2-)], hydrogen, compound with 2-propanamine (1:1) | 71839-74-2  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-N-[[3-(1-methylethoxy)propyl]benzenesulfonamidato(2-)], sodium                          | 72479-33-5  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[(8-hydroxy-5-quinolinyl)azo]benzenesulfonato(2-)], sodium   | 72905-57-8  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[[1-(2,5-dichlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)], sodium  | 75214-67-4  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)], sodium  | 73612-40-5  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)], sodium                                     | 71701-14-9  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)], hydrogen                                   | 67952-74-3  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)], sodium                                     | 71566-39-7  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[[4,5-dihydro-3-methyl-1-(4-methylphenyl)-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)], sodium                                     | 70281-40-2  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[3-[[4-(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)], sodium  | 72403-34-0  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-(2-hydroxy-1-naphthalenylamino)-N-(3-methoxypropyl)benzenesulfonamidato(2-)-N3,O3,O4], sodium  | 71735-52-9  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], ammonium  | 63971-70-0  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], hydrogen  | 50525-57-0  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], hydrogen, compound with 2-propanamine (1:1)  | 71839-84-4  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], lithium   | 125252-57-5 | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], sodium  | 58302-43-5  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(1-methylethyl)benzenesulfonamidato(2-)], sodium   | 72391-09-4  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-(2-hydroxy-1-naphthalenyl)azo]-N-(2-methoxyethyl)benzenesulfonamidato(2-)], sodium   | 70247-76-6  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-(2-hydroxy-1-naphthalenyl)azo]-N-(3-methoxypropyl)benzenesulfonamidato(2-)], sodium  | 71735-61-0  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)], ammonium  | 83847-06-7  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)], lithium   | 83804-08-4  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)], sodium  | 83804-07-3  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfonamide ,dioxidato(2-)], ammonium  | 83864-23-7  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfonamide ,dioxidato(2-)], sodium  | 83817-79-2  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[5-[(5-chloro-2-hydroxyphenyl)azo]-6-hydroxy-N-(2-hydroxyethyl)-N-methyl-2-naphthalenesulfonamidato(2-)], sodium  | 70236-43-0  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-N-methyl-2-naphthalenesulfonamidato(2-)], sodium  | 70236-59-8  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[hydrogen 3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitro-1-naphthalenesulfonato(2-)]   | 26921-01-7  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[methyl 8-[[4-(aminosulfonyl)-2-hydroxy-5-methoxyphenyl]azo]-7-hydroxy-1-naphthalenyl]carbamato(2-)], sodium  | 73507-63-8  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[N-(2-chlorophenyl)-2-[(2-hydroxy-5-[(methylamino)sulfonyl]phenyl)azo]-3-oxobutanamidato(2-)], sodium   | 70247-73-3  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[N-(2-chlorophenyl)-2-[(2-hydroxy-5-[(methylamino)sulfonyl]phenyl)azo]-3-oxobutanamidato(2-)], sodium   | 70247-74-4  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[N-(2-chlorophenyl)-2-[(2-hydroxy-5-[(methylamino)sulfonyl]phenyl)azo]-3-oxobutanamidato(2-)], hydrogen   | 55963-70-7  | D | FI |  |  |  |  | 10-Jan-2005 |
| Cobaltate(1-), bis[N-(2-hydroxy-3-(2-hydroxy-5-nitrophenyl)azo)-5-methylphenyl]acetamidato(2-)], sodium   | 71735-59-6  | D | FI |  |  |  |  | 10-Jan-2005 |



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|  | Cobaltate(1-), bis[N-(7-hydroxy-8-[[2-hydroxy-5-[[methylamino)sulfonyl]phenyl]azo]-1-naphthalenyl]acetamidato(2-)]-, hydrogen, compound with 2-propanamine (1:1)   | 71839-76-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(1-), bis[N-(8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)]-, sodium  | 68966-95-0  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [[N,N'-1,2-ethanediy]bis[N-(carboxymethyl)glycinate]](4-)-N,N',O,O',ON,ON',-(OC-6-21)-  | 14931-83-0  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [1-[[5-chloro-2-hydroxyphenyl]azo]-2-naphthalenolato(2-)]][3-hydroxy-4-(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, disodium  | 125378-88-3 | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [1-[[5-chloro-2-hydroxyphenyl]azo]-2-naphthalenolato(2-)]][3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfonato(3-)]-, sodium hydrogen  | 71243-97-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [2,4-dihydro-4-[[2-hydroxy-5-nitrophenyl]azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]][2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, disodium                                     | 82556-13-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [2,4-dihydro-4-[[2-hydroxy-5-nitrophenyl]azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]][2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, sodium hydrogen                              | 73455-76-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [2,4-dihydro-4-[[2-hydroxy-5-nitrophenyl]azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]][3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfonato(3-)]-, dihydrogen   | 72987-06-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [2,4-dihydro-4-[[2-hydroxy-5-nitrophenyl]azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]][3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfonato(3-)]-, dihydrogen, compound with 2,2'-iminobis[ethanol] (1:2) | 72987-07-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [2,4-dinitro-6-[[2-(phenylamino)-1-naphthalenyl]azo]phenolato(2-)]][3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfonato(3-)]-, sodium hydrogen   | 72102-52-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-ethylhexyl)-3-oxobutanamidato(2-)]][4-[[1-(2-hydroxy-3,5-dinitrophenyl)azo]-2-naphthalenyl]amino]benzenesulfonato(3-)]-, dipotassium   | 68928-31-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, dihydrogen   | 29383-29-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, disodium   | 61045-13-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), [6-amino-5-[[2-hydroxy-4-nitrophenyl]azo]-N-methyl-2-naphthalenesulfonamidato(2-)]][6-amino-5-[[2-hydroxy-4-nitrophenyl]azo]-2-naphthalenesulfonato(3-)]-, disodium   | 75314-27-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, dihydrogen   | 12715-61-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, dilithium  | 67906-22-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, disodium   | 75522-91-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-, dilithium, (OC-6-22'-)  | 67906-23-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-, disodium, (OC-6-22'-)   | 72208-07-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-, lithium sodium, (OC-6-22'-)   | 75557-21-0  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-, disodium  | 70529-03-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(2-), bis[4-hydroxy-3-[[2-hydroxy-1-naphthalenyl]azo]benzenesulfonamidato(2-)]-, disodium   | 71060-75-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(3-), [4-amino-3-[[2-hydroxy-3,5-dinitrophenyl]azo]-1-naphthalenesulfonato(3-)]][5-amino-6-[[2-hydroxy-3,5-dinitrophenyl]azo]-1-naphthalenesulfonato(3-)]-, trisodium   | 82457-28-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(3-), [N,N-bis(phosphonomethyl)glycinate(5-)]-, triammonium, (T-4)-   | 67968-65-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(3-), [N,N-bis(phosphonomethyl)glycinate(5-)]-, tripotassium, (T-4)-  | 63597-33-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(3-), [N,N-bis(phosphonomethyl)glycinate(5-)]-, trisodium, (T-4)-   | 67968-66-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(3-), bis[2-[[[3-[[1-[[2-(chlorophenyl)amino]carbonyl]2-oxopropyl]azo]-4-hydroxyphenyl]sulfonyl]amino]benzoato(3-)]]-, trisodium  | 73612-41-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(3-), bis[2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]]-, trisodium  | 82556-12-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(3-), bis[2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]]-, sodium dihydrogen  | 72829-33-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
|  | Cobaltate(3-), bis[2-[[[4-hydroxy-3-[[2-oxo-1-[[phenylamino]carbonyl]propyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]]-, sodium dihydrogen   | 73018-84-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |

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| Cobaltate(3-), bis[2-hydroxy-5-nitro-3-[[2-oxo-1-[[phenylamino]carbonyl]propyl]azo]benzenesulfonato(3-)]-, sodium dihydrogen   | 73507-73-0       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, trisodium   | 125378-89-4      | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, trihydrogen   | 72797-08-1       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, trihydrogen, compound with 2,2'-iminobis[ethanol] (1:3)   | 72797-09-2       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[3-hydroxy-7-nitro-4-[(1,2,3,4-tetrahydro-2,4-dioxo-3-quinolinyl)azo]-1-naphthalenesulfonato(3-)]-, trisodium  | 74196-11-5       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[4-[[2-[(2-hydroxy-5-nitrophenyl)azo]-1,3-dioxobutyl]amino]-5-methoxy-2-methylbenzenesulfonato(3-)]-, trihydrogen  | 62598-42-9       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[4-[4-[4-[[[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxyphenyl]sulfonyl]amino]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(3-)]-, trisodium                         | 75234-42-3       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[4-[4-[4-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(3-)]-, trisodium                                    | 75214-72-1       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[5-chloro-2-hydroxy-3-[[2-oxo-1-[[phenylamino]carbonyl]propyl]azo]benzenesulfonato(3-)]-, trisodium  | 73324-01-3       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[6-amino-5-[(2-hydroxy-3,5-dinitrophenyl)azo]-1-naphthalenesulfonato(3-)]-, sodium dihydrogen  | 73297-10-6       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), bis[6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenesulfonato(3-)]-, trisodium  | 77630-54-7       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), hexakis(cyano-C), cobalt(2+)  | (2:3), (OC-6-11) | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), hexakis(cyano-C), zinc (2:3)  | (OC-6-11)        | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), hexakis(nitrito-N), tripotassium  | (OC-6-11)        | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), hexakis(nitrito-O), trisodium   | (OC-6-11)        | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(3-), tris[6-hydroxy-5-nitroso-2-naphthalenesulfonato(2-)]-, trisodium  | 67815-64-9       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(4-), [[nitrioltris(methylene)tris(phosphonato)](6-)-N,OP,OP", tetrapotassium, (T-4)  | 63588-34-1       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(4-), [[nitrioltris(methylene)tris(phosphonato)](6-)-N,OP,OP,OP", tetrasodium, (T-4)  | 68000-01-1       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(4-), [[nitrioltris(methylene)tris(phosphonato)](6-)-N,OP,OP,OP", triammonium hydrogen, (T-4)   | 67968-64-3       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(4-), [29H,31H-phthalocyanine-2,9,18,23-tetra-sulfonato(5-)-N29,N30,N31,N32], tetrahydrogen, (SP-4-1)   | 14285-59-7       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(4-), bis[2-[[[3-[[1-[(2-chlorophenyl)amino]carbonyl]-2-oxopropyl]azo]-4-hydroxyphenyl]sulfonyl]amino]benzoato(3-)]-, tetrasodium   | 70851-34-2       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(4-), hexakis(cyano-C), tetrapotassium, (OC-6-11)   | 14564-70-6       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(4-), hexakis(cyano-C), tetrasodium, (OC-6-11)  | 14217-00-6       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[4-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]-2-[[4-chloro-6-[[4-[(4,5-dihydro-4-[(2-hydroxy-5-sulfonyl)azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]phenyl]amino]-1,3,5-triazin-2-yl]amino]benzenesulfonato(4-)]-, pentasodium | 83417-32-7       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[4-[[6-[[4-chloro-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-1-hydroxy-3-sulfo-2-naphthalenyl]azo]-3-hydroxy-7-nitro-1-naphthalenesulfonato(4-)]-, pentasodium  | 75284-36-5       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[4-[4-[[4-[[[3-[[1,5-dihydro-3-methyl-5-oxo-1-(4-sulfonyl)phenyl]-1H-pyrazol-4-yl]azo]-4-hydroxyphenyl]sulfonyl]amino]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(4-)]-, pentasodium         | 75214-71-0       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-5-[[2,5,6-trichloro-4-pyrimidinyl]amino]-2,7-naphthalenedisulfonato(4-)]-, pentasodium   | 74196-19-3       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[5-[[4,6-dichloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, pentasodium   | 104815-53-4      | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[5-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, pentasodium   | 79817-88-2       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[5-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, tetrapotassium sodium   | 73038-30-9       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[5-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, tetrasodium hydrogen  | 70776-55-5       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[5-[[4-chloro-6-methoxy-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, tetrasodium sodium  | 68132-93-4       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[6-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitro-3-sulfonyl)azo]-2-naphthalenesulfonato(4-)]-, tetrapotassium sodium  | 74196-12-6       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[6-amino-5-[[2-hydroxy-3-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]azo]-1-naphthalenesulfonato(4-)]-, potassium sodium  | 72269-32-0       | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobaltate(5-), bis[7-hydroxy-8-[(2-hydroxy-5-nitro-3-sulfonyl)azo]-6-[[2,5,6-trichloro-4-pyrimidinyl]amino]-2-naphthalenesulfonato(4-)]-, pentasodium  | 74196-13-7       | D | FI |  |  |  |  |  | 10-Jan-2005 |

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|--|---|-------------|---|----|---|--|--|--|-------------|
|  | Cobaltate(7-), [5-[[4-chloro-6-[[5-[[5-chloro-2,6-difluoro-4-pyrimidinyl]amino]-2-sulfonyl]amino]-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-(2-hydroxy-5-sulfonyl)azo]-2,7-naphthalenedisulfonato(6-)]][4-[[5-chloro-2,6-difluoro-4-pyrimidinyl]amino]-2,7-naphthalenedisulfonato(6-)]] | 83417-33-8  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cobaltate(7-), bis[4-hydroxy-3-(2-hydroxy-5-nitrophenyl)azo]-7-[[3-phosphonophenyl]amino]-2-naphthalenesulfonato(5-)-, disodium pentahydrogen   | 69898-68-6  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cobaltate(7-), bis[4-hydroxy-5-[(2-hydroxy-1-naphthalenyl)azo]-3-[(2-hydroxy-3-nitro-5-sulfonyl)azo]-2,7-naphthalenedisulfonato(5-)-],  | 74196-18-2  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cobaltate(8-), bis[4-hydroxy-3-(2-hydroxy-5-nitrophenyl)azo]-7-[[3-phosphonophenyl]amino]-2-naphthalenesulfonato(5-)-], tetraammonium tetrahydrogen   | 70833-34-0  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cobaltate(9-), bis[5-[[4-chloro-6-[[5-[[5-chloro-2,6-difluoro-4-pyrimidinyl]amino]-2-sulfonyl]amino]-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-(2-hydroxy-5-sulfonyl)azo]-2,7-naphthalenedisulfonato(6-)-], nonasodium  | 83417-34-9  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cobalt-dinitrate  | 10141-05-6  | D | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  | 10-Jan-2005 |
|  | Cobaltocene   | 1277-43-6   | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cobaltocenium hexafluorophosphate(1-)   | 12427-42-8  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cobaltocenium, (T-4)-tetrachlorocobaltate(2-)(2:1)  | 11077-19-3  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cobaltous bromide   | 7789-43-7   | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cobaltous chloride  | 7646-79-9   | D | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  | 10-Jan-2005 |
|  | Cobaltous sulfate   | 14017-41-5  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Cyclohexanecarboxylic acid, cobalt(2+) salt   | 98582-17-1  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Di(aceto-O)(1,4-diazabicyclo[2.2.2]octane-N1)cobalt   | 68239-55-4  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Di-μ-carbonyltetracarboxylbis(triphenylphosphine)dicobalt   | 24212-54-2  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Diammonium pentahydrogen bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-7-[[3-phosphonophenyl]amino]naphthalene-2-sulfonato(5-)]cobaltate(7-)   | 83803-62-7  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Diboron cobalt(2+) tetraoxide   | 38233-75-9  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dicarbonyl(eta-5-2,4-cyclopentadien-1-yl)cobalt   | 12078-25-0  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dichloro(1,4-diazabicyclo[2.2.2]octane-N1)cobalt  | 68239-57-6  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dichlorobis(3-pyridylcarboxamide-N1)cobalt  | 6856-47-9   | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dicobalt edetate  | 36499-65-7  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dicobalt orthosulfate   | 13455-33-9  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dicobalt tris(sulfate)  | 13479-09-6  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dicobalt(2+) nickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]  | 94232-84-5  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dihydrogen bis(L-glutamate(2-)-N,O1)cobaltate(2-)   | 19224-80-7  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Diphosphoric acid, cobalt(2+) salt (1:2)  | 14640-56-3  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dipotassium [[N,N'-ethylenbis(N-(carboxymethyl)glycinato)](4-)-N,N',O,O',O,N,O,N']cobaltate(2-)   | 14025-10-6  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Dipotassium disulfatocobaltate  | 13596-22-0  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Disodium [5-[[1-(aminocarbonyl)-2-oxopropyl]azo]-4-hydroxy-3-nitrobenzenesulfonato(3-)]][2-[[2-(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutylamidato(2-)]cobaltate(2-)]  | 76762-27-1  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Electrolytes, cobalt-manufacturing A solution used in the electrolytic refining of cobalt. The composition varies according to the particular process involved. The electrolyte generally contains high levels of cobalt ions and lower levels of impurity me                           | 121053-28-9 | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Fatty acids, soya, polymers with acetic acid, fumaric acid, linseedoil, maleic anhydride, pentaerythritol, rosin, tall oil, tall-oil fatty acids and tripentaerythritol, cobalt salts   | 70131-61-2  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Formic acid, cobalt salt  | 15731-88-1  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Heptahydrogen bis[4-hydroxy-3-(2-hydroxy-5-nitrophenyl)azo]-7-[[3-phosphonophenyl]amino]naphthalene-2-sulfonato(5-)]cobaltate(7-)   | 65335-15-1  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hexa(cyano-c)cobaltate(4-)  | 23209-26-9  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hexanoic acid, 3,5,5-trimethyl-, cobalt(2+) salt  | 49676-83-7  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrazinium(1+), (OC-6-21)-[[N,N-1,2-ethanedilybis(N-(carboxymethyl)glycinato)](4-)-N,N',O,O',O,N,O,N']cobaltate(2-)(2:1)   | 68201-98-9  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrofluoric acid, reaction products with alumina and cobalt chloride (CoCl2)   | 68442-96-6  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrogen [2,4-dihydro-4-(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]][1-(2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2-)]cobaltate(1-)  | 52277-72-2  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrogen [2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamidato(2-)]][3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)]   | 83249-70-1  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrogen bis[1-[[2-(2-hydroxy-4-nitrophenyl)azo]naphthalen-2-olato(2-)]cobaltate(1-)]   | 32517-38-7  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrogen bis[2,4-dihydro-4-[[2-(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]cobaltate(1-)]  | 84030-59-1  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrogen bis[2,4-dihydro-4-[[2-(2-hydroxy-5-methylphenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]cobaltate(1-)]   | 29598-71-8  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrogen bis[2-[[2-(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutylamidato(2-)]cobaltate(1-), compound with 2,2'-dodecyliminobis[ethanol] (1:1)]   | 84030-58-0  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrogen bis[3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)]   | 83249-73-4  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrogen bis[5,8-dichloro-2-[[2-(2-hydroxy-4-nitrophenyl)azo]-1-naphtholato(2-)]cobaltate(1-), compound with cyclohexylamine (1:1)]   | 82338-72-5  | D | FI |   |  |  |  | 10-Jan-2005 |
|  | Hydrogen bis[5,8-dichloro-2-[[2-(2-hydroxy-5-nitrophenyl)azo]-1-naphtholato(2-)]cobaltate(1-), compound with cyclohexylamine (1:1)]   | 82338-74-7  | D | FI |   |  |  |  | 10-Jan-2005 |

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| Hydrogen bis[N-(7-hydroxy-8-[[2-hydroxy-5-mesitylphenyl]azo]-1-naphthyl)cobaltate(1-)]   | 29616-23-7  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Isobutanoic acid, cobalt salt  | 57364-75-7  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Leach residues, zinc ore-calcine, cobalt regulant  | 69012-71-1  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Lithium 2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamidato(2-)]-[3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-) | 83270-30-8  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Lithium bis[2-((2-hydroxy-5-nitrophenyl)azo)-3-oxo-N-phenylbutylamidato(2-)]cobaltate(1-)  | 83733-13-5  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Lithium bis[2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamidato(2-)]cobaltate(1-)   | 83249-68-7  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Lithium bis[3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)  | 83249-72-3  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Lithium nickel cobalt aluminum oxide   | 177997-13-6 | D   | FI |  |  |  |  |  | 1-Feb-2018  |
| Molybdate (Mo7O24)-, cobalt(3+) (2:1)  | 68647-47-2  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| N,N'-Ethylenebis(glycinato-O,N)cobalt  | 29977-10-4  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Naphthene acid, cobalt lead manganese salt   | 61789-50-2  | D/P | LR |  |  | Reg. (EC) No 1272/2008   |  |  | 1-Feb-2012  |
| Neodecanoic acid, cobalt(2+) salt  | 52270-44-7  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nitric acid, cobalt(3+) salt   | 15520-84-0  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Octadecanoic acid, cobalt salt   | 13586-84-0  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Octanoic acid, cobalt salt   | 6700-85-2   | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Pentapotassium bis[5-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]naphthalene-2,7-disulphonato(4-)]cobaltate(5-)                       | 79817-89-3  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Perchloric acid, cobalt(2+) salt   | 13455-31-7  | D   | FA |  |  | California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act, implemented July 1, 2006. <a href="http://www.dtsc.ca.gov/HazardousWaste/Perchlorate">http://www.dtsc.ca.gov/HazardousWaste/Perchlorate</a> |  |  | 10-Jan-2005 |
| Phosphonic acid, (1-hydroxyethylidene)bis-, ammonium cobalt(2+) salt (1:2:1)   | 69178-34-3  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Phosphonic acid, (1-hydroxyethylidene)bis-, cobalt(2+) potassium salt (1:1:2)  | 69140-59-6  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Phosphonic acid, (1-hydroxyethylidene)bis-, cobalt(2+) sodium salt (1:1:2)   | 69140-60-9  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Phosphoric acid, ammonium cobalt(2+) salt (1:1:1)  | 14590-13-7  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Phosphoric acid, cobalt(2+) salt (1:1)   | 13596-21-9  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Phosphoric acid, cobalt(2+) salt (2:1)   | 18718-10-0  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Phosphoric acid, cobalt(2+) salt (2:3), hydrate  | 10101-56-1  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O']cobaltate(1-)  | 63640-17-5  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Propanoic acid, 2,2-dimethyl-, cobalt(2+) salt   | 15520-31-7  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Selenic acid, cobalt(2+) salt (1:1)  | 14590-19-3  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sodium 2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamidato(2-)]-[3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)  | 83249-69-8  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sodium bis[1-[[5-(ethylsulphonyl)-2-hydroxyphenyl]azo]-2-naphtholato(2-)]cobaltate(1-)   | 55870-94-5  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sodium bis[3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)   | 83249-71-2  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sodium bis[3-[[4,5-dihydro-3-methyl-1-(4-nitrophenyl)-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulphonamidato(2)]cobaltate(1-)   | 83903-65-0  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sodium bis[4-[[4-chloro-1-hydroxy-2-naphthyl]azo]-N,N'-diethyl-5-hydroxybenzene-1,3-disulphonamidato(2-)]cobaltate(1-)   | 24215-94-9  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sodium bis[4-hydroxy-3-[[5-(hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]-N-methylbenzenesulphonamide S,S-dioxidato(2-)]cobaltate(1-)  | 83817-78-1  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sodium bis[methyl 8-[[5-(ethylsulphonyl)-2-hydroxyphenyl]azo]-7-hydroxy-2-naphthyl]methylcarbamato(2-)]cobaltate(1-)   | 55870-93-4  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Spinel, cobalt nickel zinc grey  | 95046-47-2  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sulfuric acid, ammonium cobalt(2+) salt  | 13586-38-4  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sulfuric acid, ammonium cobalt(2+) salt (2:2:1)  | 13596-46-8  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Sulfuric acid, cobalt salt, hydrate  | 85492-00-4  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Tetrakis(decanoato-O)cobalt[tetra-mu.-oxotitanium]   | 84145-31-3  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Tetrakis(octanoato-O)cobalt[tetra-mu.-oxotitanium]   | 84176-59-0  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Thiocyanic acid, cobalt(2+) salt   | 3017-60-5   | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Tri-mu.-carbonyltetracarbonyl(pentacarbonyldicobalt)dirhodium  | 50696-78-1  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Tricobalt bis(orthophosphate)  | 13455-36-2  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Tricopper bis[hexacyano-c]cobaltate(3-)]   | 14518-26-4  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Ti hydrogen bis[5-[[4-hydroxy-3-[[2-oxo-1-((phenylamino)carbonyl)propyl]azo]phenyl]sulphonyl]amino]naphthalene-2-sulphonato(3-)]cobaltate(3-)]                                   | 72932-56-0  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Triphenyl(p,p,p-triphenylphosphine imidato-N)phosphorus(1+) tetracarbonylcobaltate(1-)   | 53433-12-8  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Tris(heptane-3,5-dionato-O,O')cobalt   | 15188-91-7  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Trisodium [N,N-bis[2-bis(carboxymethyl)amino]ethyl]glycinato(5-)]cobaltate(3-)]  | 6255-07-8   | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Trisodium bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-2-hydroxy-5-nitrobenzenesulphonato(3-)]cobaltate(3-)]   | 84204-70-6  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Trisodium bis[3-[[5-amino-3-methyl-1-phenyl-1H-pyrazol-4-yl]azo]-5-chloro-4-hydroxy-N-[[2-(sulphoxy)ethyl]benzenesulphonamidato(3-)]cobaltate(3-)]                               | 83804-04-0  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Trisodium bis[4-[[4,5-dihydro-4-[[2-hydroxy-5-nitrophenyl]azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]benzene-1-sulphonato(3-)]cobaltate(3-)]  | 79135-28-7  | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Trisodium bis[4-hydroxy-3-nitro-5-[[2-oxo-1-((phenylamino)carbonyl)propyl]azo]benzenesulphonato(3-)]cobaltate(3-)]   | 83733-22-6  | D   | FI |  |  |  |  |  | 10-Jan-2005 |

|     |   |             |           |    |  |  |   |  |  |  |             |
|-----|---|-------------|-----------|----|--|--|---|--|--|--|-------------|
|     | Trisodium bis[5-chloro-2-hydroxy-3-[(2-hydroxy-1-naphthyl)azo]benzenesulphonato(3-)]cobaltate(3-)   | 6771-86-4   | D         | FI |  |  |   |  |  | 10-Jan-2005  |             |
|     | Trisodium bis[5-amino-5-[(2-hydroxy-3,5-dinitrophenyl)azo]naphthalene-1-sulphonato(3-)]cobaltate(3-)  | 84057-73-8  | D         | FI |  |  |   |  |  | 10-Jan-2005  |             |
|     | Trisodium bis(amino)(2-hydroxy-3,5-dinitrophenyl)azo]naphthalenesulphonato(3-)]cobaltate(3-)  | 74220-71-6  | D         | FI |  |  |   |  |  | 10-Jan-2005  |             |
|     | Trisodium hexanitritocobaltate  | 13600-98-1  | D         | FI |  |  |   |  |  | 10-Jan-2005  |             |
|     | Xanthylum, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, bis[3-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-N-[3-(1-methylethoxy)propyl]benzenesulfonamidato(2-)]cobaltate(1-) | 71566-55-7  | D         | FI |  |  |   |  |  | 10-Jan-2005  |             |
|     | C.I. Acid Red 182   | 61901-42-6  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | 1-Propanamin, N,N-dipropyl-, cobalt complex   | 75101-45-0  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | Cobalt borate neodecanoate complexes  | 68457-13-6  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | C.I. Pigment Blue 28  | 1345-16-0   | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | Cobalt aluminate blue spinel  | 68186-86-7  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | C.I. Acid Blue  | 51053-44-2  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | C.I. Pigment Blue 36  | 68187-11-1  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | C.I. Pigment Blue 74 (Cobalt Zinc Silicate Blue Phenactol)  | 68412-74-8  | D         | FI |  |  |   |  |  | 1-Feb-2018   |             |
|     | C.I. Pigment Green 26   | 68187-49-5  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | C.I. Pigment Violet 47  | 68610-13-9  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | C.I. Pigment Green 50   | 68186-85-6  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | C.I. Pigment Blue 72  | 68186-87-8  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | C.I. Pigment Green 19   | 8011-87-8   | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | C.I. Pigment Black 27   | 68186-97-0  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | Cobalt(II) isalkanoates(C6-C19)   | 68409-81-4  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | (C9-C13) Neoalkanoic acids, cobalt(2+) salts  | 68955-83-9  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | Trisodium bis(2-hydroxy-5-nitro-3-(2-oxo-1-(phenylamino)carbonyl)propyl) azo)benzenesulphonato(3-)]cobaltate(3-)  | 85959-73-5  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
|     | Zinc chrome cobalt aluminate blue spinel  | 74665-01-3  | D         | FI |  |  |   |  |  | 1-Feb-2012   |             |
| 470 | cobalt dioctanoate  | 1588-79-0   | D/C       | FI |  | Kubota 2014/ Renault 2007  |   |  |  |  |             |
| 471 | Cobalt(II) diacetate  | 71-48-7     | C, R      | FI |  | Scania, Greylist, 20.02.2019   |   | Catalyst, surface treatments, pigments   |  | 5-Jan-2011   |             |
| 472 | Cobalt(II) dinitrate  | 10141-05-6  | C, R      | FI |  | Scania, Greylist, 20.02.2019   |   | Raw material for catalysts, surface treatment, batteries.  |  | 5-Jan-2011   |             |
| 473 | Cobalt(II) sulphate   | 10124-43-3  | C, R      | FI |  | Scania, Greylist, 20.02.2019   |   | Raw material for catalysts, surface treatment, batteries.  |  | 5-Jan-2011   |             |
| 474 | cocoalkyldimethylbenzyl ammonium chlorides  | 61789-71-7  | D         | FI |  | Renault 2007   |   | Renault 2007: Bactericide biocide  |  |  |             |
| 475 | Colophony (Rosin), selected   |             | D         | FI |  | ACGH Worldwide - Documentation of the TLVs and BEIs with other Worldwide Occupational Exposure Values; 2003.   |   | Solders, adhesives, sealants   |  | 10-Jan-2005  |             |
|     | Rosin   | 8050-09-7   | D         | FI |  |  |   |  |  | 10-Jan-2005  |             |
|     | Colophony resin   | 148499-15-4 | D         | FI |  |  |   |  |  | 10-Jan-2005  |             |
|     | Resin acids and Rosin acids zinc salts  | 91081-53-7  | D         | FI |  |  |   |  |  | 1-Feb-2009   |             |
| 476 | Copper (metallic)   | 7440-50-8   | D         | LR |  | California and Washington state laws: CA SB 346 and WA SB 6557 (Regulations apply only to brake and friction material applications).   | <ul style="list-style-type: none"> <li>• 1-Jan-21</li> <li>• 1-Jan-25</li> </ul>  | <ul style="list-style-type: none"> <li>• California and Washington ban the sale of brake friction material containing more than 5 % copper and its compounds by weight.</li> <li>• California and Washington ban the sale of brake friction material containing more than 0.5 % copper and its compounds by weight.</li> </ul> | <ul style="list-style-type: none"> <li>• 5 % copper and its compounds by weight (January 1, 2021)</li> <li>• 0.5 % copper and its compounds by weight (January 1, 2025)</li> </ul> | Dispersive applications (Brake and Friction linings) | 10-Jan-2005 |
| 477 | CRC 113 Trichlorotrifluoro ethane (R 113)/ 1,1,2 Trichloro-1,2,2 trifluoroethane  | 76-13-1     | P         | FI |  | Kubota 2014/ Bosch 2009  |   |  |  |  |             |
| 478 | Creosote; wash oil  | 8001-58-9   | P / D / C | FI |  | Scania 2014/ Volvo 2014/ Kubota 2014/ Renault 2007/ Bosch 2009   |   |  |  |  |             |
| 479 | Cumene  | 98-82-8     | D         | FI |  | California Proposition 65  |   | Fuel additive, rust inhibitor  |  | 1-Feb-2019   |             |
| 480 | Cyclododecane, hexabromo- (HBDC)  |             | D/P       | LR |  | <ul style="list-style-type: none"> <li>• (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH Annex XIV see Sunset Date)</li> <li>• Japan Chemical Substances Control Law [Class I]</li> <li>• CEPA Toxic Expected prohibition date aligned with other signatories to the Stockholm Convention. Prohibition expected in 2014 to 2015. Report any intentional addition, no testing required</li> </ul> | <ul style="list-style-type: none"> <li>• 21-Aug-15</li> <li>• 1-May-14</li> </ul> | Flame retardant  |  | for Canada report any intentionally added content    | 10-Jan-2005 |
|     | Cyclododecane, hexabromo- (HBDC)  | 25637-99-4  | D/P       | LR |  |  |   |  |  | 10-Jan-2005  |             |
|     | 1,2,5,6,9,10-Hexabromocyclododecane   | 3194-55-6   | D/P       | LR |  |  |   |  |  | 1-Feb-2009   |             |
|     | ret-(1R, 2S, 5R, 6S, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane   | 4736-49-6   | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | ret-(1R, 2S, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane   | 65701-47-5  | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | ret-(1R, 2R, 5S, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane   | 134237-50-6 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | ret-(1R, 2S, 5R, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane   | 134237-51-7 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | ret-(1R, 2R, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane   | 134237-52-8 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | (1R, 2R, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane   | 138257-17-7 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | (1R, 2R, 5R, 6S, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane   | 138257-18-8 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | (1R, 2S, 5S, 6R, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane   | 138257-19-9 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | (1R, 2S, 5S, 6S, 9R, 10R)-1,2,5,6,9,10-Hexabromocyclododecane   | 169102-57-2 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | (1R, 2R, 5S, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane   | 678970-15-5 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | (1R, 2S, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane   | 678970-16-6 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
|     | (1R, 2R, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane   | 678970-17-7 | D/P       | LR |  |  |   |  |  | 1-Aug-2014   |             |
| 481 | cyclohexane   | 110-82-7    | D / C     | FI |  | Kubota 2014/ Bosch 2009  |   |  |  |  |             |
| 482 | Cyclohexane-1,2-dicarboxylic anhydride  | 85-42-7     | A         | FI |  | Scania, Greylist, 20.02.2019   |   | Bosch 2012: from 27 June 2010 in contact adhesives on neoprene basis 0,1m% in package sizes of more than 350 g / all products  |  | 19-Dec-2012  |             |
|     |   |             |           |    |  |  |   | Surface treatment Pigment  |  |  |             |

|     |  |            |              |       |   |           |                                 |  |             |
|-----|--|------------|--------------|-------|---|-----------|---------------------------------|--|-------------|
| 483 | D&C Orange No. 17  | 3468-63-1  | D            | FI    | California Proposition 65   |           |                                 | Colorant and pigments in paints, leather   | 1-Feb-2019  |
| 484 | DDD  | 72-54-8    | M            | FI    | Renault 2007  |           |                                 |  |             |
| 485 | DDE  | 72-55-9    | M            | FI    | Renault 2007  |           |                                 |  |             |
| 486 | DDT (p,p'-dichlorodiphenyltrichloroethane)/ D D T , (1,1,1-trichloro-2,2,2-trifluoro-4-chlorophenyl)ethane             | 50-29-3    | P            | FI    | Ford 2013/ Kubota 2014/ Bosch 2009/ Renault 2007  |           |                                 | (Ford 2013): all Products; Bosch 2012; prohibition of use / all products   |             |
| 487 | decabromo-1,1'-biphenyl  | 13654-09-6 | D / R        | FI    | Kubota 2014/ Renault 2007   |           |                                 | Renault 2007: flame retardant  |             |
| 488 | Decachloropentacyclo[5.3.0.0(2,6).0(3,9).0(4,8)]decan-5-one, Chlorodecane  | 143-50-0   | P            | FI    | Kubota 2014/ Bosch 2009   |           |                                 | Bosch 2012: Verwendungsverbot; / insecticide   |             |
| 489 | Decamethylcyclopentasiloxane   | 541-02-6   | D            | FI    | Included in list of substances under REACH PACT assessment  |           |                                 | Coating, leather   | 1-Feb-2018  |
| 490 | DEHP (di-(2-ethylhexyl)phthalat  | 117-81-7   | D / P        | FI    | Scania 2014/ Renault 2007   |           |                                 | Scania 2014: Plastics (PVC), rubber, Paint; Bosch 2012: 0.1. however prohibited for developing new materials or material alterations; plasticizer, e.g. in polyvinyl chloride, sealants, fabrics, leather, sealings, - adhesives, paints and varnishes, colors and inks, coatings, cosmetic; / (5.9.08) Volvo black: sealants, plastics; Scania grey (2010); PVC, Gummi, Farbe; Renault, 2010: plasticizer |             |
| 491 | DHTDMAC  | 61789-80-8 | E            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Softener   | 26-Feb-1998 |
| 492 | Di(2-ethylhexyl)phthalate, DEHP  | 117-81-7   | R, E         | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Plastics (PVC), Rubber, Paint  | 24-Feb-2004 |
| 493 | Di(methoxyethyl)phthalate, DEMP  | 117-82-8   | R            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Hardeners, Paints  | 15-Aug-2002 |
| 494 | Di-μ-oxo-di-n-butylstanniohydroxyborane, dibutyl tin hydrogen borate (C8H19BOS3Sn (DBS))                               | 75113-37.0 | P / C        |       | Kubota 2014/ Renault 2007   |           |                                 | Bosch 2012: Prohibition as pure substance and 0,1m% in mixtures  |             |
| 495 | Diamino-diphenylmethane (4,4'-Diaminodiphenylmethane)  | 101-77-9   | D/P          | FI/LR | Reg. (EC) No 1272/2008<br>Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 21-Aug-14 | REACH Authorisation Sunset Date | Preliminary and intermediate product of resins, adhesives, dyes, curing agent, accelerator.  | 10-Jan-2005 |
| 496 | Diazene-1,2-dicarboxamide, Azodicarbonamide (ADCA)   | 123-77-3   | D            | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |           |                                 | Blowing agent used for plastics, rubber, adhesive and sealants.  | 1-Feb-2018  |
| 497 | Dibenzo(a,h)-anthracene  | 53-70-3    | P            | FI    | Bosch 2009/ Renault 2007/ Kubota 2014   |           |                                 | Bosch 2012: From 1 January 2010 in plasticizer oils for the manufacturing of tyres or tyre components with exceptions; occurring in incomplete combustion; / organic materials, pyrolysis; (4.9.08) Bosch: T, Carc. Cat 2; Bosch, 2010: incomplete combustion (carbon black)   |             |
| 498 | Dibutyl phthalate  | 84-74-2    | E, R         | FI    | Scania, Greylist, 20.02.2019; Kubota 2014/ Bosch 2009   |           |                                 | Plastics, Rubber, Adhesives, Paints  | 26-Feb-1998 |
| 499 | dibutyltin diacetate   | 1067-33-0  | D / C        | FI    | Kubota 2014/ Renault 2007   |           |                                 |  |             |
| 500 | Dibutyltin dichloride (DBTC)   | 683-18-1   | R            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Rubber products  | 19-Dec-2012 |
| 501 | dibutyltin dilaurate   | 77-58-7    | D / C        | FI    | Kubota 2014/ Renault 2007   |           |                                 | polyurethane catalyst  |             |
| 502 | dibutyltin maleate   | 78-04-6    | D            | FI    | Renault 2007  |           |                                 |  |             |
| 503 | dibutyltin oxide   | 818-08-6   | D            | FI    | Kubota 2014/ Renault 2007   |           |                                 |  |             |
| 504 | Dichloroethane (1,2-)  | 107-06-2   | C            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Additive for fuels   | 26-Feb-1998 |
| 505 | Dichloromethane (Methylene chloride) Methylenchloride  | 75-09-2    | P            | FI    | Scania 2014/ Renault 2007   |           |                                 | Scania 2014: Solvent; Bosch 2012: 0,1 m% in paint removers with exceptions; / (4.9.08) Volvo black: in fuel; (Scania, Renault 2007): Solvent; (Ford, 2010): all products   |             |
| 506 | dichlorvos/ Dimethyl 2,2-dichlorovinyl phosphate   | 62-73-7    | D / C        | FI    | Kubota 2014/ Renault 2007   |           |                                 | insecticide  |             |
| 507 | Dichromic acid   | 13530-68-2 | C            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Metal finishing, conversion coatings   | 5-Jan-2011  |
| 508 | Dichromium tris (chromate)   | 24613-89-6 | C, M, R      | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Surface treatment  | 5-Jul-2011  |
| 509 | Dicyclohexyl phthalate (DCHP)  | 84-61-7    | R, Endocrine | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, finger paints, non-metal surface treatment products, inks and toners, polishes and waxes, polymers and textile treatment products and dyes.  | 27-Jun-2018 |
| 510 | didecyldimethylammonium chloride   | 7173-51-5  | D            | FI    | Renault 2007  |           |                                 | Renault 2007: biocide surfactant   |             |
| 511 | dieldrin   | 60-57-1    | P            | FI    | Kubota 2014/ Bosch 2009/ Renault 2007   |           |                                 | Bosch 2012: prohibition of use; / insecticide  |             |
| 512 | Diethyl sulphate   | 64-67-5    | C, A         | FI    | Scania, Greylist, 20.02.2019  |           |                                 |  | 19-Dec-2012 |
| 513 | Diethyl phthalate, DHP   | 84-75-3    | R            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Parts of PVC plastic   | 16-Dec-2013 |
| 514 | dihydromethylbenz[1]aceanthrylene  | 56-49-5    | D            | FI    | Renault 2007  |           |                                 |  |             |
| 515 | Diisobutyl phthalate   | 84-69-5    | R            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Plastic, Adhesives, Sealants, Paint  | 23-Feb-2010 |
| 516 | Diisodecyl azelate   | 28472-97-1 | D            | FI    | Included in list of substances under REACH PACT assessment  |           |                                 | grease, lubricant  | 1-Feb-2017  |
| 517 | diisodecyl phthalate/ Di-"Isodecyl" phthalate (DIDP)   | 26761-40-0 | D / C        |       | Kubota 2014/ Renault 2007   |           |                                 | plasticizer; Bosch, 2010: Plasticizers, solvents, anti-foamers, textiles auxiliaries   |             |
| 518 | Di-isononyl phthalate (DINP)   | 28553-12-0 | D / C        |       | Kubota 2014/ Bosch 2009/ Renault 2007   |           |                                 | in polymer materials and their intermediate products; Bosch, 2010: Plasticizers, solvents, anti-foamers, textile auxiliaries   |             |
| 519 | Diisopentylphthalate   | 605-50-5   | R            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Explosives   | 19-Dec-2012 |
| 520 | dimethoate/ O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate  | 60-51-5    | D / C        |       | Kubota 2014/ Renault 2007   |           |                                 |  |             |
| 521 | Dimethyl sulphate  | 77-78-1    | C            | FI    | Scania, Greylist, 20.02.2019  |           |                                 |  | 19-Dec-2012 |
| 522 | dimethylaminoethane  | 7378-99-6  | M            |       | Renault 2007  |           |                                 |  |             |
| 523 | dimethylbenz(a)anthracene  | 57-97-6    | D            |       | Renault 2007  |           |                                 |  |             |
| 524 | Dimethylformamide (N,N-Dimethylformamide)  | 68-12-2    | D            | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)<br>Reg. (EC) No 1272/2008 Dir 91/689/EC   |           |                                 |  | 10-Jan-2005 |
| 525 | Dimethyl phthalate   | 131-11-3   | T            | FI    | Scania, Greylist, 20.02.2019; Renault 2007  |           |                                 | Hardener, Paint  | 26-Feb-1998 |
| 526 | Dimethylumarat   | 624-49-7   | A            | FI    | Scania, Blacklist, 20.02.2019; Kubota 2014/ Bosch 2009  |           |                                 | Leather, Textile   | 29-May-2009 |
| 527 | di-n-butyltin bis(monobutyl maleate)   | 15546-16-4 | D / C        |       | Kubota 2014/ Renault 2007   |           |                                 |  |             |
| 528 | dinickel tetroxide; Nickel oxide (Ni2O3)   | 1314-06-3  | D / C        |       | Kubota 2014/ Renault 2007   |           |                                 |  |             |
| 529 | Dinitrotoluen (2,4-)   | 121-14-2   | C            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Paint, Polyurethane foams, Explosive (Airbags)   | 23-Feb-2010 |
| 530 | Dinoseb (6-sec-butyl-2,4-dinitrophenol)  | 88-85-7    | R            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Manufacturing polyacrylamide   | 19-Dec-2012 |
| 531 | di-n-propylphthalate   | 131-16-8   | M            |       | Renault 2007  |           |                                 |  |             |
| 532 | Diethylphthalate, DOP  | 117-84-0   | E            | FI    | Scania, Greylist, 20.02.2019  |           |                                 | Hardeners, Paints  | 15-Aug-2002 |
| 533 | Diorganotin compounds  |            | D/P          | FI/LR | (EU) No 278/2010, REACH Annex XVII<br>(EU) No 278/2010, REACH Annex XVII<br><a href="https://public.mdsystem.com/documents/10909/17094faq_o_rgano_tin_compounds.pdf">https://public.mdsystem.com/documents/10909/17094faq_o_rgano_tin_compounds.pdf</a> |           |                                 | Stabilizer for polymers  | 10-Jan-2005 |
|     | 2,2'-(Dibutylstannylene)bis(thio)diethanol   | 3026-81-1  | D/P          | FA/LR |   |           |                                 | 0.1% by weight of Tin  |             |
|     | 3,8,10-Trioxa-9-stannatetradeca-5,12-dien-14-ol acid, 9,9-dibutyl-2-methyl-4,7,11-trioxo-, 1-methylethyl ester, (Z,Z)- | 22535-42-8 | D/P          | FA/LR |   |           |                                 | 0.1% by weight of Tin<br><a href="https://public.mdsystem.com/documents/10909/17094faq_organo_tin_compounds.pdf">https://public.mdsystem.com/documents/10909/17094faq_organo_tin_compounds.pdf</a>   | 1-Feb-2018  |
|     |  |            |              |       |   |           |                                 |  | 1-Feb-2006  |

|     |   |             |     |       |  |  |  |  |                       |             |
|-----|---|-------------|-----|-------|--|--|--|--|-----------------------|-------------|
|     | 3,8,10-Trioxa-9-stannatetradeca-5,12-dien-14-oi acid, 9,9-dibutyl-4,7,11-trioxo-, ethyl ester, (Z,Z)-                     | 13173-04-1  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | 5,7,12-Trioxa-6-stannatetradeca-2,9-dienoic acid, 6,6-dibutyl-4,8,11-trioxo-, dodecyl ester, (Z,Z)-                       | 33466-31-8  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Acetate, S,S'-bis(octylmercapto-, dibutyltin  | 32011-19-0  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Bis (acetato) dibutyltin  | 17523-06-7  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyl tin   | 1002-63-5   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltinbis(2-ethylhexyl mercaptoacetate)   | 10584-98-2  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Dibutylbis(octyl maleate)tin  | 17036-31-6  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Disooctyl 4,4'-((dibutylstannylene)bis(oxy))bis(4-oxoisocrotonate)  | 25168-21-2  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Dibutylbis(1-oxooctadecyl)oxy)stannane  | 25168-22-3  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Dibutylbis(myristoyloxy)stannane  | 28960-67-5  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Dibutylthioxostannane   | 4253-22-9   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Dibutylbis(1-oxooctadecyl)oxy)stannane  | 59963-28-9  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane                             | 93925-42-9  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Dibutylbis(ethyl 3-oxobutanoate-O-1, O3)tin   | 54581-65-6  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Dibutyltin bis(2-ethylhexyl-3-mercaptopropionate)   | 53202-61-2  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin bis(benzyl maleate)  | 7324-74-5   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin bis(cyclohexyl maleate)  | 5587-52-0   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Dibutyltin bis(lauryl β-mercaptopropionate)   | 51287-83-3  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin bis(octylthioglycolate)  | 2781-09-1   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin bis(oleyl maleate)   | 29881-72-9  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Dibutyltin di(isooctyl 3-mercaptopropionate)  | 26761-46-6  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin diacetate  | 1067-33-0   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin dibenzoate   | 5847-54-1   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin dibutoxide   | 3349-96-8   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin dichloride   | 683-18-1    | D/P | FA/LR | Reg. (EC) No 1272/2008<br>(REACH Candidate List)   | Reg. (EC) No 1907/2006<br>(EU) No 276/2010 |  |  |                       | 1-Feb-2006  |
|     | Dibutyltin dihexanoate  | 19704-60-0  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin dilaurate  | 77-58-7     | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin dilauryl mercaptide  | 1185-81-5   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin dimaleate  | 10192-92-4  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyl dimethoxystannane   | 1067-55-6   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2011  |
|     | Dibutyltin dioctanoate  | 4731-77-5   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Dibutyltin dioleate   | 13323-62-1  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin dipalmitate  | 13323-63-2  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin diisocylate  | 14214-24-5  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2005  |
|     | Dibutyltin distearate   | 5847-55-2   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin hydrogen borate  | 75113-37-0  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin isooctanoate   | 85702-74-5  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin linoleate  | 85391-79-3  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin linolenate   | 95873-60-2  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin maleate  | 78-04-6     | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin mercaptoacetate  | 78-20-6     | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Dibutyltin mercaptopropionate   | 78-06-8     | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin oxide  | 818-08-6    | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Dibutyltin S,S'-bis(isooctyl mercaptoacetate)Acetic acid, 2,2'-((dibutylstannylene)bis(thio))bis-, 1,1'-diisooctyl ester) | 25168-24-5  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin di(2-ethylhexyl maleate)   | 15546-12-0  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin bis(C8 to C18 unsatd. fatty acyloxy) derivs.   | 85508-00-5  | D/P | FA/LR |  |  |  |  |                       | 1-Aug-2014  |
|     | Disobutyltin oxide  | 61947-30-6  | D/P | FA/LR |  |  |  |  |                       | 10-Jan-2005 |
|     | Di-n-butyltin bis(methyl maleate)   | 15546-11-9  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Dibutyltin diisothiocyanate   | 15719-34-3  | D/P | FA/LR |  |  |  |  |                       | 1-Aug-2014  |
|     | Di-n-butyltin di(monobutyl)maleate  | 15546-16-4  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Di-n-butyltin di-2-ethylhexanoate   | 2781-10-4   | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Distannathiane, 1,3-dibutyl-1,3-dithio-   | 15666-29-2  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2018  |
|     | Tin, dibutyl(1,2-ethanediamine-N,N')bis(monooctyl 2-butenedioate-O')  | 163206-28-8 | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Tin, dibutyl[N-(carboxymethyl)-N-(2-hydroxyethyl)glycinato(2-)]-  | 68239-46-3  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Tin, dibutylbis(2,4-pentanedionato-O,O')  | 22673-19-4  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Tin, dibutylbis(methyl 3-mercaptopropionate-O,S)  | 32011-19-1  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Tin, dibutylbis(N,N-diethylethanamine)di)fluoro-  | 67924-24-7  | D/P | FA/LR |  |  |  |  |                       | 1-Feb-2008  |
| 534 | Diocetyl compounds, all members   |             | D/P | FI/LR | (EU) No 276/2010 REACH Annex XVII: Use in fabrics or RTV-2 moulding kits etc with direct, prolonged skin contact is prohibited |  |  |  | 0.1% by weight of tin | 1-Feb-2006  |
|     | Acetic acid,2,2'-((diocetylstannylene)bis(thio))bis-, 1,1'-diisooctyl ester   | 26401-97-8  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2008  |
|     | Bis(dodecylthio)diocetylstannane  | 22205-30-7  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2015  |
|     | 2-Butenedioic acid, 1,1'-((diocetylstannylene) 4,4'-diethyl ester   | 68109-88-6  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2016  |
|     | Di-n-octyltin bis(2-ethylhexyl maleate)   | 10039-33-5  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Diocetylbis(pentane-2,4-dionato-O,O')tin  | 54068-28-9  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Diocetylbis(stearoyloxy)stannane  | 22205-26-1  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-9-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)                                    | 15571-58-1  | D/P | FI/LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  |  |                       | 1-Feb-2006  |
|     | Diocetyl tin bis(isooctyl maleate)  | 33568-99-9  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Diocetyl tin dichloride   | 3542-36-7   | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Diocetyl tin dilaurate  | 3648-18-8   | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Diocetyl tin maleate  | 16091-18-2  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2006  |
|     | Diocetyl tin oxide, (Stannane, diocetyl-oxo-)   | 870-08-6    | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2010  |
|     | Diocetyl tin didecylstannate  | 68299-15-0  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)diocetylstannane                            | 93925-43-0  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2012  |
|     | Stannane, dioctyl-, bis(cocoo acyloxy) derivs.  | 91648-39-4  | D/P | FI/LR |  |  |  |  |                       | 1-Feb-2018  |
|     | Reaction mass of DOTE/MOTE  |             | D/P | FI/LR | Reg. (EC) No 1907/2006 (REACH Candidate List), Both must be present to report  |  |  |  |                       | 1-Feb-2016  |

|     |  |            |           |       |   |  |  |  |   |  |
|-----|--|------------|-----------|-------|---|--|--|--|---|--|
|     | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)   | 15571-58-1 | D/P       | FI/LR |   |  |  |  |   | 1-Feb-2006   |
|     | 2-ethylhexyl 10-ethyl-4-[[2-(2-ethylhexyloxy)-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (MOTF)                          | 27107-89-7 | D/P       | FI/LR |   |  |  |  |   | 1-Feb-2016   |
| 535 | Other Diorganotin compounds  |            | D         | FI    |   |  |  |  |   | 1-Feb-2013   |
|     | 2-Ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate   | 57583-35-4 | D         | FI    | Included in list of substances under REACH PACT assessment  |  |  |  | Harness, leather (PVC heat stabilizer)  | 1-Feb-2018   |
|     | Dimethoxybis(pentane-2,4-dionato-O,O')tin  | 66779-19-9 | D         | FI    |   |  |  |  |   | 10-Jan-2005  |
| 536 | Dimethyltin dichloride   | 753-73-1   | D         | FI    | Included in list of substances under REACH PACT assessment  |  |  |  | Harness (Transparence conductive film)  | 1-Feb-2018   |
| 537 | Dioctylstearate/trilead  | 12578-12-0 | R         | FI    | Scania, Greylist, 20.02.2019  |  |  |  | Plastic products  | 19-Dec-2012  |
| 538 | Dipentyl phthalate (DPP)   | 131-18-0   | R         | FI    | Scania, Greylist, 20.02.2019  |  |  |  | Parts of PVC plastic  | 20-Jun-2015  |
| 539 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)   | 573-98-0   | C         | FI    | Scania, Greylist, 20.02.2019  |  |  |  | Colouring agent for textile and leather   | 16-Dec-2013  |
| 540 | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) | 1937-37-7  | C         | FI    | Scania, Greylist, 20.02.2019  |  |  |  | Colouring agent for textile and leather   | 16-Dec-2013  |
| 541 | Disodium octaborate tetrahydrate; Boron sodium oxide (B8Na2O13), tetrahydrate  | 12280-03-4 | D         | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)<br>See also substance entry in Biocidal coatings / biocidal additives, selected   |  |  |  |   | 1-Feb-2019   |
| 542 | Disodium octaborate, anhydrous   | 12008-41-2 | D         | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |  | Biocide; Flame retardant  | 1-Feb-2018   |
| 543 | Disodium tetraborates, selected  |            | D/P       | LR    | Reg. (EC) No 1272/2008<br>Reg. (EC) No 1907/2006 (REACH)<br>Reg. (EC) No 1907/2006 (REACH Candidate List)<br>Reg. (EU) No 528/2012  |  |  |  | spring steel wire, ditch molding  | 1-Nov-2011   |
|     | Disodium Tetraborate, anhydrous  | 1330-43-4  | D/P       | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)<br>Reg. (EU) No 528/2012  |  |  |  |   | 1-Nov-2011   |
|     | Disodium Tetraborate, pentahydrate   | 12179-04-3 | D/P       | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)<br>Reg. (EU) No 528/2012  |  |  |  |   | 1-Nov-2011   |
|     | Disodium Tetraborate, decahydrate  | 1303-96-4  | D/P       | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)<br>Reg. (EU) No 528/2012  |  |  |  |   | 1-Nov-2011   |
|     | Tetraboron Disodium heptaoxide, hydrate  | 12267-73-1 | D         | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |  |   | 1-Nov-2011   |
| 544 | Di-substituted organostannic compounds<br>Diocetyl tin (DOT)<br>Dibutyl tin (DBT)  | Several    | E         |       | Scania, Blacklist, 20.02.2019   |  |  |  | Cooling water, paint  | 3-Jul-2014   |
| 545 | Diundecyl phthalate, branched and linear   | 85507-79-5 | D         | FI    | Included in list of substances under REACH PACT assessment  |  |  |  | Plasticiser   | 1-Feb-2019   |
| 546 | Dodecachloropentacyclo 1, 3, 4-Metheno-1H-cyclobut(cd)pentalene, Mirex   | 2385-85-5  | P         | LR    | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24  |  |  |  | Flame retardant in plastics, rubber, paint, paper, and electrical goods from 1959 to 1972. Mirex was sold as a flame retardant under the trade name Decthorane, and chlordecone was also known as Kepone. | Intentional addition prohibited  |
| 547 | Dodecamethylcyclohexasiloxane (D6)   | 540-97-6   | PBT, vPvB | FI    | Scania, Greylist, 20.02.2019  |  |  |  | Washing and cleaning products, polishes and waxes, cosmetics and personal care products.  | 27-Jun-2018  |
| 548 | dodecyldimethylbenzyl ammonium chloride  | 139-07-1   | D         | FI    | Renault 2007  |  |  |  | Renault 2007: Bactericide biocide   |  |
| 549 | dodecyldimethylbenzyl ammonium bromide   | 7281-04-1  | M         | FI    | Renault 2007  |  |  |  | Renault 2007: Bactericide biocide   |  |
| 550 | DOP (Di-n-octyl phthalate)   | 117-84-0   | D         | FI    | Scania 2014/ Renault 2007/ Bosch 2009   |  |  |  | Scania 2014: Hardeners, Paints, Rubber, PVC; Bosch, 2010: Plasticizers, solvents, anti-foamers, textile auxiliaries; (Scania, 2010): Plastics (PVC), rubber, paint  |  |
| 551 | DSDMAC   | 107-64-2   | E         | FI    | Scania, Greylist, 20.02.2019  |  |  |  | Rinsing agent   | 26-Feb-1998  |
| 552 | DTDMAC   | 88783-78-8 | E         | FI    | Scania, Greylist, 20.02.2019  |  |  |  | Vehicle care products   | 26-Feb-1998  |
| 553 | Endosulfan/ beta-endosulfan  | 33213-65-9 | D / C     | FI    | Kubota 2014/ Renault 2007   |  |  |  |   |  |
| 554 | Endrin   | 72-20-8    | P         | FI    | Kubota 2014/ Bosch 2009/ Renault 2007   |  |  |  | Bosch 2012: prohibition of use  |  |
| 555 | Epichlorohydrin (1-chloro-2,3-epoxypropane)  | 106-89-8   | D         | FI    | Reg. (EC) No 1272/2008  |  |  |  | Residual monomers in epoxy resins   | 1-Feb-2006   |
| 556 | Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, chloride (Basic Blue 7) | 2390-60-5  | D         | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |  |  |  |   | 1-Feb-2017   |
| 557 | Ethane-1,2-diol  | 107-21-1   | D         | FI    | Included in list of substances under REACH PACT assessment  |  |  |  | First fill coolant  | 1-Feb-2019   |
| 558 | ethanol  | 64-17-5    | D         |       | Renault 2007  |  |  |  | all products  |  |
| 559 | Ethanol, 2-(2-methoxyethoxy)-  | 111-77-3   | D         | FI    | Canada Gazette Vol. 140, No. 49 - December 9, 2006 (Canadian Challenge). The Canadian Challenge is regulated under the Part 5, Section 71, of the Canadian Environmental Protection Act, 1999 (CEPA, 1999). |  |  |  | reported in brake fluids  | 0.1%, Report any intentionally added content. No testing required.                                     |
| 560 | ethoxylated 4-nonylphenol/ Poly (oxy-1,2-ethanediyl), alpha -[4-nonylphenyl]-omega-  | 26027-38-3 | P / C     |       | Scania 2014/ Kubota 2014/ Renault 2007  |  |  |  | Scania 2014: Cleaning agent; Renault 2007: surfactant   |  |
| 561 | ethoxylated nonylphenol / Poly(oxyethylene) nonylphenyl ether  | 9016-45-9  | P / C     |       | Kubota 2014/ Renault 2007   |  |  |  | Renault 2007: surfactant  |  |
| 562 | Ethylene thiourea/Imidazolidine-2-thione   | 96-45-7    | D         | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |  | Vulcanization agent for rubber products   | 1-Feb-2015   |
| 563 | Ethyl- Methyl-glycols and their acetates   |            | D/P       | FI/LR | See below   |  |  |  | Report any known concentration  | 10-Jan-2005  |
| 564 | 2-Methoxyethanol   | 109-86-4   | P         | LR    | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24 Reg. (EC) No 1907/2006 (REACH Candidate List)                  |  |  |  | Prohibited as impurity in Diethylene glycol methyl ether and in hard parts  | Prohibited ≥ 0.5% w/w in Diethylene glycol methyl ether. Any intentionally added content in hard parts |
| 565 | Propanol, 2-methoxy-   | 1589-47-5  | D         | FI    | Canada Gazette Vol. 140, No. 49 - December 9, 2006 (Canadian Challenge). The Canadian Challenge is regulated under the Part 5, Section 71, of the Canadian Environmental Protection Act, 1999 (CEPA, 1999). |  |  |  | solvent for cellulose, acrylics, dyes, inks, and stains, as well as its use in cleaning agents, greases and paint removers, and as an antifreeze,   | 0.1%, Report any intentionally added content. No testing required.                                     |
| 566 | EGDME  | 110-71-4   | D         | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |  | Electrolyte, electrodes, Li-Mn Battery, starters, sensors.  | 1-Feb-2013   |
| 567 | 2-Ethoxyethanol  | 110-80-5   | D         | FI    |   |  |  |  | agents in polyester resins, PES-fibers,   | 10-Jan-2005  |
| 568 | 2-Methoxyethyl acetate   | 110-49-6   | D         | FI    | (EC) No 1272/2008   |  |  |  | PES- and PU-Enamels, synthetic resins, softening  | 10-Jan-2005  |
| 569 | ethylamine   | 75-04-7    | M         |       | Renault 2007  |  |  |  |   |  |
| 570 | Ethylbenzene   | 100-41-4   | D         | FI    | California Proposition 65   |  |  |  | Potential residue in lubricants, adhesives and coatings   | 1-Feb-2019   |



|     |   |                                    |           |       |  |   |  |  |  |   |   |             |
|-----|---|------------------------------------|-----------|-------|--|---|--|--|--|---|---|-------------|
| 571 | Ethylidimethylamine   | 598-56-1                           | M         |       |  | Renault 2007  |  |  |  |   |   |             |
| 572 | Ethylene Glycol Monoethyl Ether Acetate   | 111-15-9                           | D         | FI    |  | California Proposition 65   |  |  |  | Residual solvent remaining on parts   |   | 1-Feb-2019  |
| 573 | ethylene oxide  | 75-21-8                            | P / D / C |       |  | Kubota 2014/ Renault 2007   |  |  |  | surfactants, sterilization  |   |             |
| 574 | Ethylenediamine (EDA)   | 107-15-3                           | A         | FI    |  | Scania, Greylist, 20.02.2019  |  |  |  | Adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, pH regulators and water treatment products  |   | 27-Jun-2018 |
| 575 | Ethylenediaminetetraacetic acid (EDTA) or its salts   | 60-00-4                            | P / C     |       |  | Kubota 2014/ Renault 2007   |  |  |  | in anti-corrosion agents, aqueous cleaning agents, water miscible cooling lubricants and emulsion cleaners; Renault 2007: sequestering agent  |   |             |
| 576 | fentin acetate/ Triphenyltin=acetate  | 900-95-8                           | D / C     |       |  | Kubota 2014/ Renault 2007   |  |  |  |   |   |             |
| 577 | Fluoranthene  | 206-44-0                           | D / P     |       |  | Bosch 2009  |  |  |  |   |   |             |
| 578 | Fluorene  | 86-73-7                            | D / P     |       |  | Bosch 2009  |  |  |  |   |   |             |
| 579 | Fluorotelomers, selected  | Some substances may not have CAS#s | D         | FA    |  | EPA created a Voluntary Stewardship Program to reduce facility emissions and product content of PFOA, its higher homologues, and related chemicals including precursors (see column B) on a global basis by 95 percent no later than year-end 2010, and to work toward eliminating emissions and product content of these materials by year-end 2015. In addition the Canadian governmental agencies are also working on a similar program which is expected to take effect later in 2007.  |  |  |  | Present at low levels in telomeric products used as surface treatments for oil, soil, and water repellency and stain/dirt resistance for textile fabrics and carpet in the automotive sector.       | 0.1% by mass of treated article eg carpet, upholstery, other textiles   | 1-Feb-2008  |
|     | 8-2 telomer alcohol:  | 678-39-7                           | D         | FA    |  |   |  |  |  |   |   | 1-Feb-2008  |
|     | 8-2 telomer olefin:   | 21652-58-4                         | D         | FA    |  |   |  |  |  |   |   | 1-Feb-2008  |
|     | 2-(perfluorooctyl)ethyl iodide, 8-2 telomer iodide:   | 2043-53-0                          | D         | FA    |  |   |  |  |  |   |   | 1-Feb-2008  |
|     | C8 iodide: (Octane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-8-iodo- )   | 507-63-1                           | D         | FA    |  |   |  |  |  |   |   | 1-Feb-2008  |
|     | C10-2 Fluorotelomer alcohol: (1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosfluoro- )   | 865-86-1                           | D         | FA    |  |   |  |  |  |   |   | 1-Feb-2008  |
|     | C10-2 telomer B iodide:   | 2043-54-1                          | D         | FA    |  |   |  |  |  |   |   | 1-Feb-2008  |
| 580 | flutrialol  | 76674-21-0                         | M         |       |  | Renault 2007  |  |  |  |   |   |             |
| 581 | Formaldehyde  | 50-00-0                            | D/P       | FI/LR |  | Reg. (EC) No 1272/2008 Reg. (EU) No 528/2012 (BPR)  |  |  |  | Residues and degradation products of plastics (amino)plastics, urea- and melamine resins, foam plastics, vulcanization accelerators, basis for synthetic tannins, biocides, adhesives, formed woods | Any intentionally added content of formaldehyde must be reported. Formaldehyde in any material, which may be emitted under reasonable and foreseeable conditions, must be qualitatively indicated. Impurities of formaldehyde above 0.1 % has to be declared. | 10-Jan-2005 |
| 582 | Formaldehyde, oligomeric reaction products with aniline   | 25214-70-4                         | C         | FI    |  | Scania, Greylist, 20.02.2019  |  |  |  |   |   | 3-Jan-2012  |
| 583 | Furan   | 110-00-9                           | C         | FI    |  | Scania, Greylist, 20.02.2019  |  |  |  | Solvent   |   | 19-Dec-2012 |
| 584 | furfural  | 98-01-1                            | D         |       |  | Renault 2007  |  |  |  |   |   |             |
| 585 | furfurylic alcohol  | 98-00-0                            | M         |       |  | Renault 2007  |  |  |  |   |   |             |
| 586 | gallium arsenide  | 1303-00-0                          | D / C     |       |  | Kubota 2014/ Renault 2007   |  |  |  |   |   |             |
| 587 | Halon 1211  | 353-59-3                           | O         |       |  | Scania, Blacklist, 20.02.2019   |  |  |  | Fire retardant  |   | 24-Feb-1998 |
| 588 | Halon 1301  | 75-63-8                            | O         |       |  | Scania, Blacklist, 20.02.2019   |  |  |  | Fire retardant  |   | 24-Feb-1998 |
| 589 | HCFC 141 b  | 1717-00-6                          | O         |       |  | Scania, Blacklist & Greylist, 20.02.2019  |  |  |  | Blowing agent Solvent, Cooling Agent  |   | 24-Feb-1998 |
| 590 | HCFC 142 b  | 75-68-3                            | O         |       |  | Scania, Blacklist & Greylist, 20.02.2019  |  |  |  | Blowing agent Solvent, Cooling Agent  |   | 24-Feb-1998 |
| 591 | HCFC 22   | 75-45-6                            | O         |       |  | Scania, Blacklist & Greylist, 20.02.2019  |  |  |  | Blowing agent Solvent, Cooling Agent  |   | 24-Feb-1998 |
| 592 | Henicosfluoroundecanoic acid  | 2058-94-8                          | vPvB      | FI    |  | Scania, Greylist, 20.02.2019  |  |  |  |   |   | 19-Dec-2012 |
| 593 | heptabromodiphenyl ether/ Heptabromo(phenoxybenzene)  | 88928-80-3                         | D / P     | FI    |  | Kubota 2014/ Renault 2007   |  |  |  | Renault 2007: flame retardant   |   |             |
| 594 | Heptacosfluoroheptadecanoic acid  | 976-06-7                           | vPvB      | FI    |  | Scania, Greylist, 20.02.2019  |  |  |  |   |   | 19-Dec-2012 |
| 595 | Heptadecafluorooctanesulfonate, compound with 2,2'-iminodiethanol/diethanolamine perfluorooctane sulfonate, Perfluorooctane sulfonic acid and its derivatives (PFOS) (C8F17SO2X) \ (X = OH, Metal salt (O-M + ), halide, amide, and other derivatives including polymers) | 70225-14-8                         | P / C     | FI    |  | Kubota 2014/ Renault 2007   |  |  |  |   |   |             |
| 596 | heptadecafluorooctanesulfonic acid / Perfluoro(octane-1-sulfonic acid) or its salts, (PFOS)   | 1763-23-1                          | P         | FI    |  | Renault 2007/ Kubota 2014   |  |  |  | Bosch 2012: prohibition of use; / Renault 2007: flame retardant   |   |             |
| 597 | hexabrombiphenyl  | 36355-01-8                         | P         | FI    |  | Kubota 2014/ Bosch 2009/ Renault 2007   |  |  |  | Bosch 2012: prohibition of use; / Renault 2007: flame retardant   |   |             |
| 598 | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:   | 3194-55-6                          | PBT       | FI    |  | Scania, Greylist, 20.02.2019  |  |  |  | Textiles Plastics   |   | 18-Nov-2008 |
| 599 | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:   | 25637-99-4                         | PBT       | FI    |  | Scania, Greylist, 20.02.2019; Ford 2013/ Kubota 2014/ Bosch 2009  |  |  |  | Textiles Plastics   |   | 18-Nov-2008 |
| 600 | hexabromodiphenyl ether   | 36483-60-0                         | D / P     | FI    |  | Kubota 2014/ Renault 2007   |  |  |  | Renault 2007: flame retardant   |   |             |
| 601 | Hexachloro-1,3-butadiene (HCBD)   | 87-68-3                            | P         | LR    |  | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24  |  |  |  | Used mainly as an intermediate in the manufacture of rubber compounds. It is also used in the production of lubricants  | Intentional addition prohibited   | 1-Feb-2008  |
| 602 | Hexachlorobenzene   | 118-74-1                           | D/P       | FI/LR |  | (EC) No 1272/2008, The Canadian Prohibition of Certain Toxic Substances Regulations 2012 Regulation states at Section 4 that... a person must not manufacture, use, sell, offer for sale or import a toxic substance set out in schedule 1 or a product containing it unless the toxic substance is, incidentally present. Japan Chemical Substance Control Law (Class I). Must use BAT (Best Available Technology) to assure lowest concentration. Levels above BAT are prohibited see <a href="http://www.meti.go.jp/policy/chemical_management/english/cscj/publications.html">http://www.meti.go.jp/policy/chemical_management/english/cscj/publications.html</a> |  |  |  | As a peptizing agent in the production of nitroso compounds and rubber for tires. As impurities in colorants  | Canada: no intentional addition. Japan: ≤ BAT   | 1-Feb-2008  |
| 603 | Hexachlorobenzene   | 118-74-1                           | P / D     | FI    |  | Kubota 2014/ Bosch 2009   |  |  |  | Bosch 2012: prohibition of use; / hydraulic fluids; (3.9.08) Ford: all products   |   |             |
| 604 | Hexachlorocyclohexane (Hexachlorocyclohexane anti-fouling paints - components) Hexachlorocyclohexane, gamma isomer, Lindane   | 58-89-9                            | P / C     | FI    |  | Kubota 2014/ Bosch 2009/ Renault 2007   |  |  |  | Bosch 2012: prohibition of use; / in anti-fouling paints; Renault 2007: Extraction solvent, production of CFC   |   |             |
| 605 | hexachlorocyclohexane (alpha-HCH) r-1,c-2,t-3,c-4,t-5,t-6-Hexachlorocyclohexane   | 319-84-6                           | P         | FI    |  | Kubota 2014/ Bosch 2009/ Renault 2007   |  |  |  | Bosch 2012: Prohibition of use; / insecticide, isomer existing in technical HCH   |   |             |
| 606 | hexachlorocyclohexane (beta-HCH) r-1,t-2,c-3,t-4,c-5,t-6-Hexachlorocyclohexane  | 319-85-7                           | P         | FI    |  | Kubota 2014/ Bosch 2009/ Renault 2007   |  |  |  | Bosch 2012: Prohibition of use; / insecticide, isomer existing in technical HCH   |   |             |

|     |  |             |       |    |  |  |   |             |
|-----|--|-------------|-------|----|--|--|---|-------------|
| 607 | Hexachlorocyclohexane, gamma isomer, Lindane                                     | 58-89-9     | D     | FI | GetStoffV with Annex IV Nr. 5  |  | Insecticide, substance in wood protecting compounds   | 10-Jan-2005 |
| 608 | hexachlorocyclohexane (delta-HCH)/ r-1,c-2,t-3,c-4,c-5,t-6-Hexachlorocyclohexane | 319-86-8    | P     | FI | Kubota 2014/ Renault 2007  |  | insecticide, isomer existing in technical HCH   |             |
| 609 | hexachloroethane   | 67-72-1     | D / C | FI | Kubota 2014/ Bosch 2009/ Renault 2007                                      |  | Bosch 2012: Prohibited for the manufacturing or machining of nonferrous metals; Explosives, vulcanization accelerators, degassifiers in aluminium foundries; / Renault 2007: Smoke generator, non-ferrous metal foundry; Bosch, 2010: Explosives, vulcanization accelerators, degassifiers in aluminium foundries |             |
| 610 | Hexahydro-1-methylphthalic anhydride   | 48122-14-1  | A     | FI | Scania, Greylist, 20.02.2019   |  |   | 19-Dec-2012 |
| 611 | Hexahydro-3-methylphthalic anhydride   | 57110-29-9  | A     | FI | Scania, Greylist, 20.02.2019   |  |   | 19-Dec-2012 |
| 612 | Hexahydro-4-methylphthalic anhydride   | 19438-60-9  | A     | FI | Scania, Greylist, 20.02.2019   |  |   | 19-Dec-2012 |
| 613 | hexahydroethylphthalic anhydride   | 25560-51-0  | A     | FI | Scania, Greylist, 20.02.2019   |  |   | 19-Dec-2012 |
| 614 | Hexamethyldisiloxane   | 107-46-0    | D     | FI | Included in list of substances under REACH PACT assessment<br>Renault 2007 |  | silicon fluid, coatings, laquers, duromers, top coat  | 1-Feb-2017  |
| 615 | hexanal  | 66-25-1     | M     | FI |  |  |   |             |
| 616 | Hexane (n-)  | 110-54-3    | N     | FI | Scania, Greylist, 20.02.2019   |  | Solvent   | 26-Feb-1998 |
| 617 | Hydrazine  | 302-01-2    | D     | FI | Reg. (EC) No 1272/2008   |  | Residual monomers in plastics, pigments and adhesives, antioxidants stabilizing of Amines, Phenols, in oils, greases, natural latex; blowing agents for foamed plastics   | 10-Jan-2005 |
| 618 | Hydrobromofluorocarbons (HBFCs), all members                                     |             | P     | LR | Reg. (EC) No 1005/2009; Montreal Protocol; US EPA Class 1 ODS              |  | Refrigerant   | 10-Jan-2005 |
|     | 1,2-Dibromo-1,1-difluoroethane   | 75-82-1     | P     | LR |  |  | Refrigerant   | 10-Jan-2005 |
|     | Dibromofluoromethane   | 1868-63-7   | P     | LR |  |  | Refrigerant   | 1-Feb-2009  |
|     | C2H2F2Br2: 1,1-Dibromo-2,2-difluoroethane (Ethane, 1,1-Dibromo-2,2-difluoro-)    | 359-19-3    | P     | LR |  |  |   | 1-Feb-2009  |
|     | Bromodifluoroethane  | 1511-82-2   | P     | LR |  |  |   | 1-Feb-2012  |
|     | 1-Bromo-2-fluoroethane   | 762-49-2    | P     | LR |  |  | Refrigerant   | 10-Jan-2005 |
|     | 1-Bromo-3-fluoropropane (Propane, 1-Bromo-3-fluoro-)                             | 352-91-0    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 3-Bromo-1,1,1-trifluoropropane (Propane, 3-Bromo-1,1,1-trifluoro-)               | 460-32-2    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,2-Dibromo-1-fluoroethane   | 358-97-4    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,3-Dibromo-1,1-difluoropropane  | 460-25-3    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,2-Dibromo-1,1,2-trifluoroethane  | 354-04-1    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 2,3-Dibromo-1,1,1-trifluoropropane   | 431-21-0    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,1,1,2-tetrabromo-2-fluoro-ethane   | 353-93-5    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,1,2,2-tetrabromo-1-fluoro-ethane   | 306-80-9    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,1,1-tribromo-2,2-difluoroethane  | 7304-53-2   | P     | LR |  |  |   |             |
|     | 1,2,2-tribromo-1,1-difluoroethane  | 677-34-9    | P     | LR |  |  |   |             |
|     | 1,1,2-tribromo-1,2-difluoroethane  | 353-97-9    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,1,2-tribromo-1-fluoroethane  | 420-88-2    | P     | LR |  |  |   |             |
|     | 1,1,2-tribromo-2-fluoroethane  | 598-67-4    | P     | LR |  |  |   | 1-Feb-2009  |
|     | C2H3F2Br: Bromo-1,1-difluoroethane (Ethane, 2-bromo-1,1-difluoro-)               | 359-07-9    | P     | LR |  |  |   | 1-Feb-2009  |
|     | C3HFBr6  | none        | P     | LR |  |  |   | 1-Feb-2009  |
|     | C3HF2Br5   | none        | P     | LR |  |  |   | 1-Feb-2009  |
|     | C3HF3Br4   | none        | P     | LR |  |  |   | 1-Feb-2009  |
|     | C3HF4Br3   | 666-48-8    | P     | LR |  |  |   | 1-Feb-2009  |
|     | C3HF2Br5   | none        | P     | LR |  |  |   | 1-Feb-2009  |
|     | C3H2F2Br4  | 148875-98-3 | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,2,2-Tribromo-3,3,3-trifluoropropane  | 421-90-9    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,3-Dibromo-1,1,3,3-tetrafluoropropane   | 460-86-6    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1-bromo-1,1,2,2-pentafluoro-propane  | 422-01-5    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 2-bromo-1,1,1,2,3-pentafluoro-propane  | 677-52-1    | P     | LR |  |  |   |             |
|     | 1-bromo-1,1,2,2,3-pentafluoro-propane  | 677-53-2    | P     | LR |  |  |   |             |
|     | 2-bromo-1,1,1,3,3-pentafluoro-propane  | 22692-16-6  | P     | LR |  |  |   |             |
|     | 1-bromo-1,1,3,3,3-pentafluoro-propane  | 460-88-8    | P     | LR |  |  |   |             |
|     | 1-bromo-1,2,2,3,3-pentafluoro-propane  | 679-94-7    | P     | LR |  |  |   |             |
|     | 2-bromo-1,1,2,3,3-pentafluoro-propane  | 26391-11-7  | P     | LR |  |  |   |             |
|     | Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R',S')-(9CI)                           | 53692-43-6  | P     | LR |  |  |   |             |
|     | Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R',R')-(9CI)                           | 53692-44-7  | P     | LR |  |  |   |             |
|     | C3H3FBr4   | 148875-95-0 | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,2,3-Tribromo-3,3-difluoropropane   | 666-25-1    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 2-bromo-1,1,3,3-tetrafluoro-propane  | 19041-01-1  | P     | LR |  |  |   |             |
|     | 2-bromo-1,3,3,3-tetrafluoropropane   | 29151-25-5  | P     | LR |  |  |   |             |
|     | 3-bromo-1,1,2,2-tetrafluoropropane   | 679-84-5    | P     | LR |  |  |   |             |
|     | 1-bromo-1,1,2,2-tetrafluoropropane   | 70192-84-6  | P     | LR |  |  |   |             |
|     | 1-bromo-1,2,2,3-tetrafluoro-propane  | 70192-71-1  | P     | LR |  |  |   |             |
|     | 3-bromo-1,1,1,3-tetrafluoropropane   | 460-67-3    | P     | LR |  |  |   | 1-Feb-2009  |
|     | C3H4FBr3   | 75372-14-4  | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1,2-Dibromo-3-fluoropropane  | 453-00-9    | P     | LR |  |  |   |             |
|     | 1,3-Dibromo-2-fluoropropane  | 1786-38-5   | P     | LR |  |  |   |             |
|     | 3,3-Dibromo-1-fluoropropane  | 51584-26-0  | P     | LR |  |  |   |             |
|     | 1,2-Dibromo-1-fluoro-(R',S')-propane   | 62135-10-8  | P     | LR |  |  |   |             |
|     | 1,2-Dibromo-1-fluoro-(R',R')-propane   | 62135-11-9  | P     | LR |  |  |   |             |
|     | 2-bromo-1,1-difluoro-propane   | 430-87-5    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1-bromo-1,1-difluoro-propane   | 420-89-3    | P     | LR |  |  |   |             |
|     | 1-bromo-2,2-difluoro-propane   | 420-98-4    | P     | LR |  |  |   |             |
|     | 2-bromo-1,3-difluoro-propane   | 2195-05-3   | P     | LR |  |  |   |             |
|     | 3-bromo-1,1-difluoro-propane   | 461-43-4    | P     | LR |  |  |   |             |
|     | 1-bromo-2,3-difluoro-propane   | 111483-20-6 | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1-Bromo-1,1-difluoroethane   | 420-47-3    | P     | LR |  |  |   | 1-Feb-2009  |
|     | 1-Bromo-1,1,2,3,3,3-hexafluoropropane  | 2252-78-0   | P     | LR |  |  |   | 1-Feb-2009  |
|     | 2-Bromo-1,1,1-trifluoroethane  | 421-06-7    | P     | LR |  |  |   | 10-Jan-2005 |
|     | Ethene, 2-bromo-1,1-difluoro-  | 359-08-0    | P     | LR |  |  | Refrigerant   | 1-Feb-2009  |

| Propane, 1-bromo-2-fluoro-                            | 1871-72-3   | P   | LR |   |  |  | Refrigerant | 10-Jan-2005 |
|---|-------------|-----|----|---|--|--|-------------|-------------|
| <b>Hydrochlorofluorocarbons (HCFC's), all members</b> |             | D/P | LR | Reg. (EC) No 1005/2009: Montreal Protocol; US EPA Class 2 ODS |  |  | Refrigerant | 10-Jan-2005 |
| <b>1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)</b> | 812-94-4    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1,2,2-Trichloro-1,1-difluoroethane</b>             | 354-21-2    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)</b> | 354-23-4    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1,2-Dichloro-1,1-difluoroethane</b>                | 1649-08-7   | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1,2-Dichloro-1,2-difluoroethane</b>                | 431-06-1    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>2-chloro-1,3-difluoropropane</b>                   | 102738-79-4 | D/P | LR |   |  |  | Refrigerant | 1-Feb-2012  |
| <b>1,1-Dichloro-1,2,3,3,3-pentafluoropropane</b>      | 111512-56-2 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Tetrachlorodifluoropropane</b>                     | 127564-82-3 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Trichlorodifluoropropane</b>                       | 127564-90-3 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Trichlorotetrafluoropropane</b>                    | 127564-91-4 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>2,2-Dichloro-1,1,1,3,3-pentafluoropropane</b>      | 128903-21-9 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Chlorotrifluoroethane</b>                          | 1330-45-6   | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Tetrachlorofluoropropane</b>                       | 134190-49-1 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Trichlorofluoropropane</b>                         | 134190-51-5 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,1,2,2-Tetrachloro-1-fluoroethane</b>             | 134237-32-4 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Trichlorofluoroethane</b>                          | 134237-34-6 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Hexachlorofluoropropane</b>                        | 134237-35-7 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Pentachlorodifluoropropane</b>                     | 134237-36-8 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Tetrachlorotrifluoropropane</b>                    | 134237-37-9 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Trichlorotetrafluoropropane</b>                    | 134237-38-0 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Tetrachlorodifluoropropane</b>                     | 134237-39-1 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Trichlorotrifluoropropane</b>                      | 134237-40-4 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Chloropentafluoropropane</b>                       | 134237-41-5 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Trichlorodifluoropropane</b>                       | 134237-42-6 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Dichlorotrifluoropropane</b>                       | 134237-43-7 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Chlorotrifluoropropane</b>                         | 134237-44-8 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Dichlorodifluoropropane</b>                        | 134237-45-9 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,1-Dichloro-1,2,2,3,3-pentafluoropropane</b>      | 13474-88-9  | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,3-Dichloro-1,1,2,3,3-pentafluoropropane</b>      | 136013-79-1 | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,1-Dichloro-1,2-difluoroethane</b>                | 1842-05-3   | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Dichlorofluoroethane</b>                           | 25167-88-8  | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Dichlorodifluoroethane</b>                         | 25915-78-0  | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Hexachlorofluoropropane</b>                        | 29470-94-8  | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Tetrachlorotrifluoropropane</b>                    | 29470-95-9  | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>2,3-Dichloro-1,1,1-trifluoropropane</b>            | 338-75-0    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Trichlorodifluoroethane</b>                        | 41834-16-6  | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>2-chloro-2-fluoropropane</b>                       | 420-44-0    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,2-Dichloro-1,1,2,3,3-pentafluoropropane</b>      | 422-44-6    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,2-Dichloro-1,1,3,3,3-pentafluoropropane</b>      | 127564-92-5 | P   | LR |   |  |  |             | 1-Feb-2012  |
| <b>2,3-Dichloro-1,1,1,2,3-pentafluoropropane</b>      | 422-48-0    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,1-Dichloro-2,2,3,3-pentafluoropropane</b>        | 422-56-0    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,2-Dichloro-1,1,3,3,3-pentafluoropropane</b>      | 431-86-7    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>3-Chloro-1,1,1-trifluoropropane</b>                | 460-35-5    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>3,3-Dichloro-1,1,1-trifluoropropane</b>            | 460-69-5    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1-chloro-1,1,3,3,3-pentafluoropropane</b>          | 460-92-4    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,3-Dichloro-1,1,2,2,3-pentafluoropropane</b>      | 507-55-1    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Trichlorotrifluoropropane</b>                      | 61623-04-9  | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>3-Chloro-1,1,2,2-tetrafluoropropane</b>            | 679-85-6    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,1,1-Trichloro-3,3,3-trifluoropropane</b>         | 7125-83-9   | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,1-Dichloro-1,2,2-trifluoropropane</b>            | 7125-99-7   | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,1-Dichloro-1-fluoropropane</b>                   | 7799-56-6   | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,1,3-trichloro-1-fluoropropane</b>                | 818-99-5    | D/P | LR |   |  |  |             | 1-Feb-2012  |
| <b>Dichlorodifluoropropane</b>                        | 134190-52-6 | P   | LR |   |  |  |             | 1-Feb-2012  |
| <b>Dichlorofluoropropane</b>                          | 127404-11-9 | P   | LR |   |  |  |             | 1-Feb-2012  |
| <b>Dichlorotetrafluoropropane</b>                     | 127564-83-4 | P   | LR |   |  |  |             | 1-Feb-2012  |
| <b>Dichlorotrifluoropropane</b>                       | 116890-51-8 | P   | LR |   |  |  |             | 1-Feb-2012  |
| <b>1,2-Dichloro-1-fluoroethane</b>                    | 430-57-9    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1,2-Dichloro-1-fluoroethylene</b>                  | 430-58-0    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)</b> | 354-25-6    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1-Chloro-1,1-difluoroethane</b>                    | 75-68-3     | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1-Chloro-1,2-difluoroethylene</b>                  | 359-04-6    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1-Chloro-1-fluoroethylene</b>                      | 2317-91-1   | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>1-Chloro-2-fluoroethylene</b>                      | 460-16-2    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>2-Chloro-1,1-difluoroethylene</b>                  | 359-10-4    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Chlorodifluoroethanes</b>                          | 25497-29-4  | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Chlorodifluoromethane</b>                          | 75-46-6     | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Chlorofluoroethane</b>                             | 893-70-4    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Chlorotetrafluoroethane</b>                        | 63938-10-3  | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Dichlorofluoromethane</b>                          | 75-43-4     | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Dichlorotrifluoroethane</b>                        | 34077-87-7  | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, 1,1,1-trichloro-2-fluoro-</b>              | 2366-36-1   | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, 1,1,2-trichloro-1-fluoro-</b>              | 811-85-0    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, 1,1,2-trichloro-2-fluoro-</b>              | 359-29-4    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, 1,1-dichloro-1-fluoro-</b>                 | 1717-00-6   | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, 1,2-difluoro-1,1,2-trichloro-</b>          | 354-15-4    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, 1-chloro-1,2-difluoro-</b>                 | 338-64-7    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, 2,2-dichloro-1,1,1-trifluoro-</b>          | 306-83-2    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, 2-chloro-1,1,1,2-tetrafluoro-</b>          | 2837-89-0   | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, chloro-1,1-difluoro-</b>                   | 55949-44-5  | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Ethane, monochlorodifluoro-</b>                    | 338-65-8    | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>Trichlorofluoroethane</b>                          | 27154-33-2  | D/P | LR |   |  |  | Refrigerant | 10-Jan-2005 |
| <b>chlorodifluoropropane</b>                          | 134190-53-7 | D/P | LR |   |  |  |             | 1-Feb-2009  |
| <b>chlorofluoroethane</b>                             | 110587-14-9 | D/P | LR |   |  |  |             | 1-Feb-2009  |
| <b>chlorofluoropropane</b>                            | 134190-54-8 | D/P | LR |   |  |  |             | 1-Feb-2009  |
| <b>chlorohexafluoropropane</b>                        | 28987-04-4  | D/P | LR |   |  |  |             | 1-Feb-2009  |
| <b>chloropentafluoropropane</b>                       | 108662-83-5 | D/P | LR |   |  |  |             | 1-Feb-2009  |



|  |   |             |     |    |   |   |                                 |  |  |             |
|--|---|-------------|-----|----|---|---|---------------------------------|--|--|-------------|
|  | 2-Butenedioic acid (E)-, lead salt  | 13698-55-0  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 2-Butenedioic acid (E)-, lead(2+) salt, basic   | 90268-59-0  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 2-Butenedioic acid (Z)-, lead(2+) salt, basic   | 90268-66-9  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 2-Propenoic acid, 2-methyl-, lead salt, basic   | 90552-19-5  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, lead(2+) bis(2-methyl-2-propenoate) and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediy)] | 68155-47-5  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 3-(Triphenylplumbyl)-1H-pyrazole  | 51105-45-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 7,11-Metheno-11H,13H-tetrazo[1,5-c][1,7,3,5,2,6]dioxadiazadiplobutylbicyclopentadiene, 5,5,13,13-tetrahydro-4,5-dihydro-4,8,10,15-tetrahydro-   | 19651-80-0  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 7-Methyloctanoic acid, lead salt  | 97952-39-1  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 9-Hexadecenoic acid, lead(2+) salt, (Z)-, basic   | 90388-15-1  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 9-Octadecenoic acid (Z)-, lead salt   | 15347-55-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | 9-Octadecenoic acid (Z)-, lead salt, basic  | 90459-88-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Acetic acid, lead salt, basic   | 51404-69-4  | D/P | LR |   | Reg. (EC) No 1907/2006 (REACH Candidate List) |                                 |  |  | 10-Jan-2005 |
|  | Acetoxytributylplumbane   | 2587-82-8   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Acetoxytrimethylplumbane  | 5711-19-3   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Acetoxytriphenylplumbane  | 1162-06-7   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Arsenic acid, lead (4+) salt  | 53404-12-9  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Basic lead sulfite  | 12608-25-2  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, lead(2+) salts  | 84961-75-1  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Bis(diethylthiocarbamato-S,S')lead  | 17549-30-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Bis(o-acetoxybenzoato)lead  | 62451-77-8  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Bis(pentane-2,4-dionato-O,O')lead   | 15282-88-9  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Bismuth lead ruthenium oxide  | 65229-22-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Bismuth, compound with lead (1:1)   | 12048-28-1  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Butanedioic acid, 2,3-dihydroxy- [R-(R', R'')]-, lead(2+) salt (1:1)  | 815-84-9    | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Carbamodithioic acid, ethylphenyl-, lead(2+) salt   | 93892-65-0  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Carbonic acid, lead(2+) salt  | 25510-11-6  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Castor oil, dehydrated, polymer with rosin, calcium lead zinc salt  | 68604-05-7  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Chlorotrimethylplumbane   | 1520-78-1   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Chlorotriphenylplumbane   | 1153-06-6   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Lead sulfochromate yellow(C.I. Pigment Yellow 34)   | 1344-37-2   | D/P | LR | Reg. (EC) No 1907/2006 (REACH Annex XIV)      | 21-May-15                                     | REACH Authorisation Sunset Date |  |  | 10-Jan-2005 |
|  | Chromium lead oxide   | 11119-70-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Chromium lead oxide sulfate, silica-modified  | 116565-74-3 | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | C.I. Pigment Orange 21  | 1344-38-3   | D/P | LR | Reg. (EC) No 1907/2006 (REACH Annex XVII)     |   |                                 |  |  | 1-Feb-2016  |
|  | Copper, .beta.-resorcyrate salicylate lead complexes  | 68411-07-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Cyclohexanebutanoic acid, lead(2+) salt   | 62637-99-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Decanoic acid, branched, lead salts   | 90342-24-8  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Decanoic acid, lead salt  | 20403-42-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Diacetoxydiphenylplumbane   | 6928-88-3   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Diamyldithiocarbamate, lead   | 109707-90-6 | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Diantimony lead tetroxide   | 16450-50-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Dibasic lead stearate   | 56189-09-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Dibismuth dilead tetraaruthenium tridecaoxide   | 11116-83-9  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Dilead chromate dihydroxide   | 12017-86-6  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Dilead dirhodium heptaoxide   | 37240-96-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Diphenyllead dichloride   | 2117-69-3   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Diplumbane, hexaethyl-  | 2388-00-3   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Diplumbane, hexaphenyl-   | 3124-01-4   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Docosanoic acid, lead salt  | 3249-61-4   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Dodecanoic acid, lead salt, basic   | 90342-56-6  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Dodecanoic acid, lead(2+) salt  | 15773-55-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C12-18, lead salts   | 68131-60-2  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C14-26, lead salts   | 93185-26-5  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C16-18, lead salts   | 91031-62-8  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C18-24, lead salts   | 84776-54-5  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C4- 20-branched, lead salts  | 125328-49-6 | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C6- 19-branched, lead salts  | 91002-20-9  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C8-10, lead salts  | 91031-61-7  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C8-10-branched, lead salts   | 85049-42-9  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C8-10-branched, lead salts, basic  | 68409-79-0  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C8-12, lead salts  | 84776-53-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C8-18 and C18-unsaturated, lead salts  | 84776-36-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C8-9, lead salts   | 91031-60-6  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, C9-11-branched, lead salts   | 81412-57-9  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, castor-oil, hydrogenated, lead salts   | 91897-36-8  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, coco, lead salts   | 92044-89-8  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, tall-oil, lead manganese salts   | 61788-53-2  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, tall-oil, lead salts   | 61788-54-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Fatty acids, tallow, reaction products with lead oxide  | 94349-78-7  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Flue dust, lead blast furnace   | 70514-05-5  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Formic acid, lead salt  | 7056-83-9   | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Gilsonite, polymer with linseed oil, lead salt  | 68989-89-9  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, lead(2+) sodium salt (1:1:2)   | 22904-40-1  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Hafnium lead trioxide   | 12029-23-1  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Hexacosanoic acid, lead salt  | 94006-20-9  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Hexadecanoic acid, lead salt, basic   | 90388-09-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Hexadecanoic acid, lead(2+) salt, basic   | 90388-10-6  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Hexanoic acid, 2-ethyl-, lead(2+) salt  | 301-08-6    | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Hexanoic acid, 3,5,5-trimethyl-, lead salt  | 23621-79-6  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Hydroxy(neodecanoato-O)lead   | 71753-04-3  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Iron lead oxide (Fe12PbO19)   | 12023-90-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Isodecanoic acid, lead salt, basic  | 90431-14-4  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |
|  | Isodecanoic acid, lead(2+) salt, basic  | 91671-82-8  | D/P | LR |   |   |                                 |  |  | 10-Jan-2005 |

|  |            |     |    |   |           |                                 |  |  |             |
|--|------------|-----|----|---|-----------|---------------------------------|--|--|-------------|
| Isononanoic acid, lead salt              | 27253-41-4 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Isononanoic acid, lead salt, basic       | 90431-21-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Isooctanoic acid, lead salt              | 64504-12-7 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Isooctanoic acid, lead salt, basic       | 90431-26-8 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Isooctanoic acid, lead(2+) salt, basic   | 91671-83-9 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Isondecanoic acid, lead(2+) salt, basic  | 91671-84-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lauric acid, lead salt                   | 15306-30-6 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Leach residues, lead slag                | 69029-71-6 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead                                     | 7439-92-1  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
| Lead (II) acetate, trihydrate            | 6080-56-4  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead (II) methylthiolate                 | 35029-96-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead (IV) acetate                        | 546-67-8   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead borosilicate PbSb2SiO10             |            | D/P | LR |   |           |                                 |  |  | 1-Feb-2019  |
| Lead 12-hydroxyoctadecanoate             | 65127-78-8 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead 2,4-dihydroxybenzoate               | 20936-32-7 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead 2-ethylhexanoate                    | 16996-40-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead 3-(acetamido)phthalate              | 93839-96-6 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead 5-nitroterephthalate                | 60580-60-1 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead acetate                             | 15347-57-6 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead acetate                             | 301-04-2   | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
| Lead acrylate                            | 14466-01-4 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead alloy, dross                        | 69011-59-2 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead alloy, Pb, Sn, dross                | 69011-60-5 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead antimonate                          | 13510-89-9 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead antimonide                          | 12286-38-5 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead arsenate                            | 3687-31-8  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
| Lead arsenate                            | 7784-40-9  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
| Lead arsenate (Pb3(AsO4)2)               | 10102-48-4 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead arsenate, unspecified               | 7645-25-2  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead arsenite                            | 10031-13-7 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead azide                               | 13424-46-9 | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
| Lead benzoate                            | 15907-04-7 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(12-hydroxystearate)             | 58405-97-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(2-ethylhexanoate)               | 93840-04-1 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(3,5,5-trimethylhexanoate)       | 35837-70-8 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(5-oxo-DL-proline)               | 85392-78-5 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(5-oxo-L-proline)                | 85392-77-4 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(isononanoate)                   | 52047-95-5 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(isondecanoate)                  | 93965-29-8 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(nonylphenolate)                 | 72886-00-6 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(piperidine-1-carbodithioate)    | 41556-46-1 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(p-octylphenolate)               | 84394-98-9 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(tetracosylbenzenesulphonate)    | 85865-91-4 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(tricosanoate)                   | 93966-37-1 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bis(didodecylbenzenesulphonate)     | 85865-92-5 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead borate                              | 14720-53-7 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead b-resorcylate                       | 41453-50-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead bromide (PbBr2)                     | 10031-22-8 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead carbonate                           | 598-63-0   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead chloride                            | 7783-95-4  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead chloride (V.A.N.)                   | 12612-47-4 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead chloride oxide                      | 12205-72-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead chromate                            | 7758-97-6  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Annex XIV)      | 21-May-15 | REACH Authorisation Sunset Date |  |  | 10-Jan-2005 |
| Lead chromate oxide                      | 18454-12-1 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead chromate silicate                   | 11113-70-5 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead chromate silicate (Pb3(CrO4)(SiO4)) | 69011-07-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead chromate sulfate (Pb9(CrO4)3(SO4)2) | 51899-02-6 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead cyanamidate                         | 20890-10-2 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead cyanamide                           | 20837-86-9 | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
| Lead cyanamide                           | 35112-70-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead cyanide                             | 592-05-2   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dibenzoate                          | 873-54-1   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dibromate                           | 34018-28-5 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dibutolate                          | 65119-94-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dibutyrate                          | 819-73-8   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead didocosanoate                       | 29597-84-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dihexanoate                         | 15773-53-2 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dilactate                           | 18917-82-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead diloleate                           | 33627-12-2 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dimethylthiocarbamate               | 19010-66-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dimyristate                         | 32112-52-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dipalmitate                         | 15773-56-5 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead diphosphate                         | 10294-58-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead dipicrate                           | 6477-64-1  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
| Lead dipropionate                        | 814-70-0   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead disulphamide                        | 13767-76-7 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead disulphide                          | 12132-74-5 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead diundec-10-enoate                   | 94232-40-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead fluoborate                          | 13814-96-5 | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
| Lead fluoride                            | 7783-46-2  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead fluoride hydroxide                  | 97889-90-2 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead fluorosilicate                      | 25808-74-6 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead formate                             | 811-54-1   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead germanate                           | 12435-47-1 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead hexafluorosilicate                  | 1310-03-8  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead hydroxide                           | 19783-14-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead hydroxide                           | 39345-91-0 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead hydroxide nitrate                   | 12268-84-7 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
| Lead hydroxysalicylate                   | 87903-39-7 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |

|   |             |     |    |  |  |   |  |  |  |  |             |
|---|-------------|-----|----|--|--|---|--|--|--|--|-------------|
| Lead icosanoate   | 94266.32.7  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead icosanoate (1:2)   | 94266.31.6  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead iodate   | 25659.31.8  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead iodide   | 10101.63.0  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead isophthalate   | 38737.87.0  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead linoleate  | 16996.51.3  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead malate   | 816.68.2    | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead maleate  | 19136.34.6  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead methacrylate   | 1068.61.7   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead methacrylate   | 52609.46.8  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead molybdate  | 10190.55.3  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead monoxide   | 1317.36.8   | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead myristate  | 20403.41.2  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead naphthalate  | 50825.29.1  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead naphthenate  | 61790.14.5  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead neobate  | 12034.88.7  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead neodecanoate   | 27253.28.7  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead nitrate  | 10099.74.8  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead nitrosoresorcinate   | 51317.24.9  | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead oleate   | 1120.46.3   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead oxalate  | 814.93.7    | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead oxide  | 1335.25.7   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead oxide (Pb <sub>2</sub> O)  | 12059.89.1  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead oxide (PbO), lead-contg.   | 6841.178.9  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead oxide (PbO), retort  | 69029.53.4  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead oxide phosphonate (Pb <sub>3</sub> O <sub>2</sub> (HPO <sub>3</sub> )) | 12141.20.7  | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead oxide phosphonate, hemihydrate   | 1344.40.7   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead oxide sulfate  | 12765.51.4  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead oxide sulfate (Pb <sub>2</sub> O(SO <sub>4</sub> ))                    | 12036.76.9  | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead oxide sulfate (Pb <sub>4</sub> O <sub>3</sub> (SO <sub>4</sub> ))      | 12202.17.4  | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead oxide sulfate (Pb <sub>5</sub> O <sub>4</sub> (SO <sub>4</sub> ))      | 12095.90.6  | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead palmitate  | 19528.55.3  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead pentadecanoate   | 93966.74.6  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead perchlorate  | 13637.76.8  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead peroxide   | 1309.60.0   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead phosphate  | 7446.27.7   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead phthalate  | 16153.12.3  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead phthalate  | 6838.85.3   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead picrate  | 25721.38.4  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead propionate   | 42558.73.6  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead pyrophosphate  | 13453.66.2  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead ruthenium oxide (PbRuO <sub>3</sub> )                                  | 37194.88.0  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead sebacate   | 29473.77.6  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead selenate   | 7446.15.3   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead selenide (PbSe)  | 12069.00.0  | P   | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead selenite   | 7488.51.9   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead silicate   | 11120.22.2  | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead silicate   | 13566.17.1  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead silicate   | 22569.74.0  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead silicate sulfate   | 12987.78.4  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead silicate sulfate   | 67711.88.8  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead stearate   | 7428.48.0   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead stearate dibasic   | 52652.59.2  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead subacetate   | 1335.32.6   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead succinate  | 1191.18.0   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead sulfate  | 15739.80.7  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead sulfate  | 7446.14.2   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead sulfate, tribasic  | 12397.06.7  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead sulfide (PbS)  | 1314.87.0   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead sulfomolybdochromate, silica encapsulated                              | 116565.73.2 | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead tantalate  | 12065.68.8  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead telluride  | 1314.91.6   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead tellurite  | 13845.35.7  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead tetrachloride  | 13463.30.4  | D/P | LR |  |  |   |  |  |  |  | 1-Feb-2012  |
| Lead tetracosanoate   | 93966.38.2  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead tetraoxide   | 1314.41.6   | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead thiocyanate  | 592.87.0    | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead thiosulfate  | 13478.50.7  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead tin oxide (PbSnO <sub>3</sub> )  | 12036.31.6  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead titanium oxide (PbTiO <sub>3</sub> )                                   | 12060.00.3  | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead titanium zirconium oxide (Pb(Ti,Zr)O <sub>3</sub> )                    | 12826.81.2  | D/P | LR |  |  | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  |  |  | 10-Jan-2005 |
| Lead trioxide   | 1314.27.8   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead tungsten oxide   | 7759.01.5   | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead tungsten oxide   | 12737.98.3  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead vanadate   | 10099.79.3  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead zincinate  | 12680.01.4  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) (R)-12-hydroxyoleate   | 12094.04.7  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) (Z)-hexadec-9-enoate   | 93858.24.3  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) 2,4-dinitrosoresorcinate   | 13406.89.8  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) 4-(1,1-dimethylethyl)benzoate                                      | 85292.77.9  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) 4,4'-isopropylidenebisphenolate                                    | 93858.23.2  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) 4,6-dinitro-o-cresolate  | 85121.76.8  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) acrylate   | 867.47.0    | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) decanoate  | 15773.52.1  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) heptadecanoate   | 63399.94.0  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) isohexadecanoate   | 95892.13.0  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) isooctadecanoate   | 70727.02.5  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) neodecanoate   | 71684.29.2  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |
| Lead(2+) nononanoate  | 93894.48.5  | D/P | LR |  |  |   |  |  |  |  | 10-Jan-2005 |

|  |  |             |     |    |   |           |                                 |  |  |             |
|--|--|-------------|-----|----|---|-----------|---------------------------------|--|--|-------------|
|  | Lead(2+) neodecanoate  | 93894-49-6  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead(2+) octanoate   | 7319-86-0   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead(4+) stearate  | 7717-46-6   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead(II) fumarate  | 71896-03-8  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead(II) isodecanoate  | 84852-34-6  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead(II) isooctanoate  | 93981-67-0  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead(II) maleate   | 17406-54-1  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead(IV) fluoride  | 7783-69-7   | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, (2-methyl-4,6-dinitrophenolato-O1)(nitrato-O)-.mu.-oxodi-, monohydrate           | 79357-62-3  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, [mu.-[1,2-benzenedicarboxylato(2-)-O1:O2]]di-.mu.-oxotri-, cyclo-                | 17976-43-1  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, [1,2-benzenedicarboxylato(2-)]dioxotri-  | 69011-06-9  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, [1,2-benzenedicarboxylato(2-)]loxodi-  | 57142-78-6  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-                       | 15187-16-3  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, 2-ethylhexanoate isodecanoate complexes, basic                                   | 90431-30-4  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, 2-ethylhexanoate isononanoate complexes, basic                                   | 90431-31-5  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, 2-ethylhexanoate isooctanoate complexes, basic                                   | 90431-32-6  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, 2-ethylhexanoate naphthenate complexes   | 90431-33-7  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, 2-ethylhexanoate naphthenate complexes, basic                                    | 90431-34-8  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, 2-ethylhexanoate neodecanoate complexes, basic                                   | 90431-35-9  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, 2-ethylhexanoate tall-oil fatty acids complexes                                  | 68187-37-1  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, alkyls, manufacturing wastes   | 70513-89-2  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, antimonial   | 69029-50-1  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, antimonial, dross  | 69029-51-2  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, bis(2-hydroxybenzoato-O1,O2)-, (T-4)-  | 15748-73-9  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, bis(dipentylcarbamodithioato-S,S')-, (T-4)-                                      | 36501-84-5  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, bis(diphenylcarbamodithioato-S,S')-, (T-4)-                                      | 75790-73-7  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, bis(octadecanoato)dioxotri-  | 12578-12-0  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, bullion  | 97808-88-3  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C3-13-fatty acid naphthenate complexes   | 79803-79-5  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C4-10-fatty acid naphthenate complexes   | 84067-00-5  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C4-10-fatty acid octanoate complexes   | 92200-92-5  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C5-23-branched carboxylate C4-10-fatty acid complexes                            | 84066-98-8  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes                | 83711-45-9  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C5-23-branched carboxylate naphthenate complexes                                 | 83711-46-0  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C5-23-branched carboxylate naphthenate octanoate complexes                       | 83711-47-1  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C5-23-branched carboxylate octanoate complexes                                   | 84066-99-9  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C6-19-branched carboxylate naphthenate complexes                                 | 70084-67-2  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes            | 90431-28-0  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes, overbased | 90431-27-9  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, C9-28-neocarboxylate 2-ethylhexanoate complexes, basic                           | 125494-56-6 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, decanoate octanoate complexes  | 70321-55-0  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, di-.mu.-hydroxy(2-methyl-4,6-dinitrophenolato-O1)(nitrato-O)di-                  | 96471-22-6  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, dihydroxy[2,4,6-trinitro-1,3-benzenediato(2-)]di-                                | 12403-82-6  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, dross  | 69029-52-3  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, dross, antimony-rich   | 69029-45-4  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, dross, bismuth-rich  | 69029-46-5  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, dross, copper-rich   | 69227-11-8  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, dross, vanadium-zinc-containing  | 100656-49-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isodecanoate isononanoate complexes, basic                                       | 90431-36-0  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isodecanoate isooctanoate complexes, basic                                       | 90431-37-1  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isodecanoate naphthenate complexes   | 90431-38-2  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isodecanoate naphthenate complexes, basic  | 101012-92-4 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isodecanoate neodecanoate complexes, basic                                       | 90431-39-3  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isononanoate isooctanoate complexes, basic                                       | 84929-94-2  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isononanoate naphthenate complexes   | 84929-97-5  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isononanoate naphthenate complexes, basic  | 90431-40-6  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isooctanoate neodecanoate complexes, basic                                       | 90431-41-7  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isooctanoate naphthenate complexes   | 68515-60-0  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isooctanoate naphthenate complexes, basic  | 90431-42-8  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isooctanoate neodecanoate complexes  | 101013-06-3 | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, isooctanoate neodecanoate complexes, basic                                       | 84929-95-3  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, naphthenate neodecanoate complexes   | 90431-43-9  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, naphthenate neodecanoate complexes, basic  | 84929-96-4  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, neononanoate neodecanoate complexes, basic                                       | 90431-44-0  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Lead, zinc dross   | 94551-60-7  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Linseed oil, polymer with tung oil, lead salt  | 68990-75-0  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Linseed oil, reaction products with lead oxide (Pb3O4) and mastic                      | 68152-99-8  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Methanesulfonic acid, lead(2+) salt  | 17570-76-2  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Candidate List) |           |                                 |  |  | 10-Jan-2005 |
|  | Molybdate orange (Lead chromate pigment)   | 12856-85-8  | D/P | LR | Reg. (EC) No 1907/2006 (REACH Annex XIV)      | 21-May-15 | REACH Authorisation Sunset Date |  |  | 10-Jan-2005 |
|  | Naphthalenesulfonic acid, disulfonyl-, lead(2+) salt                                   | 63568-30-9  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Naphthalenesulfonic acid, dinonyl-, lead(2+) salt                                      | 61867-68-3  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Naphthenic acids, lead (2+) salts  | 91078-81-8  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Naphthenic acids, lead manganese salts   | 61788-52-1  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Naphthenic acids, lead salts, basic  | 92045-67-5  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Neodecanoic acid, lead salt, basic   | 90459-25-9  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Neononanoic acid, lead salt, basic   | 90459-26-0  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Neoundecanoic acid, lead salt, basic   | 90459-28-2  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Nitric acid, lead(2+) salt, reaction products with sodium tin oxide                    | 97953-08-7  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Nitrous acid, lead(2+) salt  | 13826-65-8  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Octadecanoic acid, lead salt, basic  | 90459-51-1  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |
|  | Octadecanoic acid, lead(2+) salt, basic  | 90459-52-2  | D/P | LR |   |           |                                 |  |  | 10-Jan-2005 |



|     |   |             |         |    |   |   |  |  |             |
|-----|---|-------------|---------|----|---|---|--|--|-------------|
|     | Octadecanoic acid, lead(2+) salt, tribasic  | 52080-60-1  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Octanoic acid, lead salt  | 15696-43-2  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Orthoboric acid, lead(2+) salt  | 35498-15-8  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Perchloric acid, reaction products with lead oxide (pbO) and triethanolamine                        | 99749-31-2  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Petrolatum, petroleum, oxidized, lead salt  | 67674-14-0  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phenol, 2-methylidinitro-, lead salt  | 50319-14-7  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phenol, dodecyl-, lead(2+) salt   | 68586-21-0  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phenol, tetrapropylene-, lead(2+) salt  | 122332-23-4 | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phosphonic acid, lead salt  | 16038-76-9  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phosphonic acid, lead salt, basic   | 53907-64-0  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phosphonic acid, lead(2+) salt  | 24824-71-3  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phosphonic acid, lead(2+) salt (1:1)  | 13453-65-1  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phosphonic acid, lead(2+) salt (2:1)  | 15521-60-5  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phosphoric acid, lead(2+) salt (1:1)  | 15845-52-0  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phosphoric acid, mixed butyl and hexyl diesters, lead(2+) salts                                     | 93925-27-0  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phosphorodithioate O,O-bis(1,3-dimethylbutyl), lead salt  | 20383-42-0  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Phosphorodithioic acid, mixed O,O-bis(bu and pentyl) esters, lead(2+) salt                          | 91783-10-7  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbane, chlorotriethyl-   | 1067-14-7   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbane, diethylidimethyl-   | 1762-27-2   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbane, ethyl methyl derivatives  | 68610-17-3  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbane, ethyltrimethyl-   | 1762-26-1   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbane, tetrabutyl-   | 1920-80-7   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbane, tetrakis(1-methylethyl)-  | 14846-40-3  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbane, tetrakis(1-methylpropyl)-   | 65151-08-8  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbane, triethylmethyl-   | 1762-28-3   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbate (PbO22-), disodium   | 12034-30-9  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Plumbate (PbO44-), calcium (1:2), (T-4)   | 12013-69-3  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Potassium pentadecaoxidoplumbatepentanoborate(1-)   | 12372-45-1  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.                                       | 102110-49-6 | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Salicylate, lead (II)   | 6107-93-3   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Silicic acid (H2SiO3), calcium salt (1:1), lead and manganese-doped                                 | 100402-96-8 | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Silicic acid (H2SiO3), lead(2+) salt (1:1)  | 10099-76-0  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Silicic acid (H4SiO4), lead salt  | 15906-71-5  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Silicic acid, calcium salt, lead and manganese-doped  | 102110-36-1 | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Silicic acid, lead nickel salt  | 68130-19-8  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Silimes and sludges, lead sinter dust scrubber  | 70514-37-3  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Speiss, lead-zinc   | 93821-72-8  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo 3',6'-dihydroxy-, lead salt | 1326-05-2   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Stearic acid, lead (2+) salt  | 1072-35-1   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Sulfuric acid, barium lead salt   | 42579-89-5  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Sulfuric acid, barium salt (1:1), lead-doped  | 99328-54-8  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Sulfuric acid, lead salt, tetrabasic  | 52732-72-6  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Sulfuric acid, lead(2+) salt, basic   | 90583-07-6  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Sulfurous acid, lead salt, basic  | 52231-92-2  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Sulfurous acid, lead salt, dibasic  | 62229-08-7  | D/P     | LR |   | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  | 10-Jan-2005 |
|     | Sulfurous acid, lead(2+) salt, basic  | 90583-37-2  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Sulfurous acid, lead(2+) salt (1:1)   | 7446-10-8   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Telluric acid (H2TeO3), lead(2+) salt (1:1)   | 15851-47-5  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Tetradecanoic acid, lead salt, basic  | 90583-65-6  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Tetraethyllead  | 78-00-2     | D/P     | LR |   | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  | 10-Jan-2005 |
|     | Tetramethyl lead  | 75-74-1     | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Tetraphenyllead   | 595-89-1    | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Tetrapropyl lead  | 3440-75-3   | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Thiosulphuric acid, lead salt   | 26265-65-6  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Lead/Tin alloy  | 99412-44-7  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Trinitrophenolguinolin, lead salt   | 51325-28-1  | D/P     | LR |   |   |  |  | 10-Jan-2005 |
|     | Naphthenic acid, cobalt lead manganese salt   | 61789-50-2  | D/P     | LR |   |   |  |  | 1-Feb-2009  |
|     | Lead, bis(carbonato(2-))dihydroxytri /Lead carbonate hydroxide                                      | 1319-46-6   | D/P     | LR |   | Reg. (EC) No 1907/2006 (REACH Candidate List) |  |  | 1-Feb-2009  |
|     | Boric acid (HBO2), lead(2+) salt, monohydrate (8Cl, 9Cl)  | 10214-39-8  | D/P     | LR |   |   |  |  | 1-Feb-2009  |
|     | Fatty acids, C6-19-branched, lead salts, basic  | 68603-83-8  | D/P     | LR |   |   |  |  | 1-Feb-2009  |
|     | Pigment Lightfast Lead-Molybdate Orange OS (9Cl)  | 78690-68-3  | D/P     | LR |   |   |  |  | 1-Feb-2009  |
| 634 | Lead as an alloying element   | Several     | E, N    | FI | Scania, Greylist, 20.02.2019                            |   |  | Alloy  | 15-Aug-2002 |
| 635 | Lead azide Lead diazide   | 13424-46-9  | R       | FI | Scania, Greylist, 20.02.2019                            |   |  |  | 3-Jan-2012  |
| 636 | Lead bis(tetrafluoroborate)   | 13814-96-5  | R       | FI | Scania, Greylist, 20.02.2019                            |   |  | Surface treatment, electro plating, laboratory chemicals   | 19-Dec-2012 |
| 637 | Lead carbonate  | 598-63-0    | P / R   | FI | Renault 2007  |   |  | Pigment  |             |
| 638 | Lead chromate molybdate sulphate C.I. Pigment Red 104   | 12656-85-8  | C, R    | FI | Scania, Greylist, 20.02.2019                            |   |  | Paint (Pigment)  | 23-Feb-2010 |
| 639 | Lead di(acetate)  | 301-04-2    | R       | FI | Scania, Greylist, 20.02.2019                            |   |  |  | 16-Dec-2013 |
| 640 | lead di(acetate)  | 301-04-2    | P / R   | FI | Scania 2014/ Kubota 2014/ Renault 2007                  |   |  | Scania 2014: Application: Laboratory Chemicals, May occur colour, paint removers and solvent; catalyst                               |             |
| 641 | lead diazide  | 13424-46-9  | P / R   | FI | Kubota 2014/ Renault 2007                               |   |  |  |             |
| 642 | Lead dinitrate  | 10099-74-8  | R       | FI | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007 |   |  | Plastic products   | 19-Dec-2012 |
| 643 | lead hexafluorosilicate   | 25808-74-6  | P / R   | FI | Kubota 2014/ Renault 2007                               |   |  |  |             |
| 644 | Lead hydrogen arsenate  | 7784-40-9   | C, R, N | FI | Scania, Greylist, 20.02.2019                            |   |  |  | 18-Nov-2008 |
| 645 | Lead molybdate/ Lead(II) molybdate  | 10190-55-3  | P / R   | FI | Kubota 2014/ Renault 2007                               |   |  |  |             |
| 646 | lead monoxide   | 1317-36-8   | P / R   | FI | Scania 2014/ Kubota 2014/ Renault 2007                  |   |  | Scania 2014:Lead batteries, glass and ceramics/ Application: Stabilizers, pigment, raw material for glass and ceramic manufacturing. |             |

|     |   |  |           |    |   |  |   |   |             |
|-----|---|--|-----------|----|---|--|---|---|-------------|
| 647 | Lead or its compounds   | 7439-92-1  | P         | FI | Volvo 2014/ Renault 2007  |  | Volvo 2014: Lead-containing stabilizers and pigments, corrosion inhibitors; Application: The prohibition refers to the use of the lead chromates in all applications. For other applications, the prohibition is effective for new design from 2012-01-01; Bosch 2012: limit value valid only for business division Drive and Control Technology (Bosch Rexroth AG and affiliates): 0,1 m% in coating materials for lacquer and agents for surface treatment; / Volvo 2012: Lead-containing stabilizers and pigments, corrosion inhibitors; The prohibition refers to the use of lead chromates in all applications. For other products containing lead, the prohibition is effective for new design from 2012-01-01; / Lead as component in metals and alloys: e.g. bearing metals, steel, brass, aluminium processed in automated machines. e.g. lead-containing stabilizers and pigments (e.g. in paints), corrosion inhibitors etc.<br><br>Exception:<br>facility based equipment, and vehicle applications separately listed below; Renault 2007: wheel balancing flywheels, windshield washer pin, welding, friction trim |   |             |
| 648 | lead oxide  | 1335-25-7  | P / R     | FI | Kubota 2014/ Renault 2007   |  |   |   |             |
| 649 | lead oxide phosphonate (Pb3O2(HPO3))  | 12141-20-7   | P / R     | FI | Scania 2014/ Kubota 2014/ Renault 2007  |  | Scania 2014: Plastic products/ application: Stabilizers for PVC   |   |             |
| 650 | lead oxide phosphonate hemihydrate  | 1344-40-7  | P / R     | FI | Kubota 2014/ Renault 2007   |  |   |   |             |
| 651 | lead peroxide; Leaddioxide  | 1309-60-0  | P / R     | FI | Kubota 2014/ Renault 2007   |  |   | 16-Dec-2013   |             |
| 652 | lead silicate   | 11120-22-2   | P / R     |    | Scania 2014/ Kubota 2014/ Renault 2007  |  | Scania 2014: Glass and ceramics   |   |             |
| 653 | lead sulfate  | 15739-80-7   | P         |    | Kubota 2014/ Renault 2007   |  | Pigment   |   |             |
| 654 | lead sulfochromate yellow; C.I. Pigment Yellow 34   | 1344-37-2  | P / R     | FI | Scania 2014/ Kubota 2014/ Renault 2007  |  | Scania 2014: Paint (Pigment); Bosch 2012: 0,1, however prohibited for developing new materials or material alterations; / Renault 2007: paint pigment   |   |             |
| 655 | lead tetroxid; Lead(II, IV) oxide   | 1314-41-6  | P / R     | FI | Scania 2014/ Kubota 2014/ Renault 2007  |  | Scania 2014: Lead batteries, glass and ceramics, rubber and plastic products/ Application: Pigment, Stabilizers   |   |             |
| 656 | lead titanate; Lead(II) titanate; Lead titanium trioxide  | 12060-00-3   | P / R / D | FI | Kubota 2014/ Scania 2014/ Renault 2007  |  |   |   |             |
| 657 | Lead titanium trioxide  | 12060-00-3   | R         | FI | Scania, Greylis, 20.02.2019   |  | Semiconductors, computers, electric and optical products  | 19-Dec-2012   |             |
| 658 | lead zirconium trioxide; Lead zirconate   | 12060-01-4   | P / R     | FI | Kubota 2014/ Renault 2007   |  |   |   |             |
| 659 | Lead(2+) silicate; Lead monosilicate  | 10099-76-0   | P/R       |    | Kubota 2014/ Renault 2007   |  |   |   |             |
| 660 | Lead(II) bis(methanesulfonate)  | 17570-76-2   | R         | FI | Scania, Greylis, 20.02.2019   |  |   |   |             |
| 661 | lead(II) carbonate hydroxide; Trilead bis(carbonate)dihydroxide; Lead carbonate                   | 1319-46-6  | P / D / R | FI | Scania 2014/ Kubota 2014/ Renault 2007  |  | Pigment   | 18-Jun-2012   |             |
| 662 | lead(II) methanesulfonate   | 17570-76-2   | P         | FI | Scania 2014/ Kubota 2014/ Renault 2007  |  | Scania 2014: Coating in the manufacturing of electronic components  |   |             |
| 663 | lead(II) sulfate  | 7446-14-2  | P / R     |    | Kubota 2014/ Renault 2007   |  | Pigment   |   |             |
| 664 | Limonene  | 138-86-3,<br>5989-27-5,<br>5989-54-6,<br>6876-12-6,<br>7705-14-8 | A, E      | FI | Scania, Greylis, 20.02.2019   |  | Solvent   | 26-Feb-1998   |             |
| 665 | lithium perfluorooctane sulfonate; lithium heptadecafluorooctanesulphonate                        | 29457-72-5   | P / C     |    | Kubota 2014/ Renault 2007   |  |   |   |             |
| 666 | mancozeb  | 8018-01-7  | D         |    | Renault 2007  |  |   |   |             |
| 667 | mane; Manganese N,N'-ethylenebis (dithiocarbamate)  | 12427-38-2   | D / C     |    | Kubota 2014/ Renault 2007   |  | biocide   |   |             |
| 668 | m-cresol  | 108-39-4   | M         | FI | Renault 2007  |  |   |   |             |
| 669 | Mercury Halophosphate Triphosphate with normal life cycle Triphosphate with long life cycle       | 7439-97-6  | P         | FI | Bosch 2009  |  | for baton formed fluorescent lamps for general purposes:  |   |             |
| 670 | Mercury and its compounds, all members  |  | D/P       | LR | Dir. 2000/53/EC<br>Reg. (EC) No 1272/2008<br>Reg. (EC) No 552/2009<br>GB/T 30512 (ELV China)<br><br>Domestic law of the countries which approved ratification of Minamata Convention such as Reg. (EU) 2017/852 and Japan domestic law (Act on Preventing Environmental Pollution of Mercury) |  | Metallic mercury, and inorganic and organic mercury compounds used in high intensity discharge (HID) lamps, electric switches, luminescent material for instrument lighting, pyrotechnic initiators etc.  | 0.1% for impurities, any intentionally added content must be reported | 10-Jan-2005 |
|     | (2,7'-Dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[5H]xanthen]-4'-y])hydroxymercury | 55728-51-3   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | Cadmium mercury telluride ((Cd,Hg)Te)   | 29870-72-2   | D/P       | LR |   |  |   |   | 1-Feb-2015  |
|     | (2-Carboxy-m-tolyl)hydroxymercury, monosodium salt  | 52795-88-7   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | (2-Carboxyphenyl)hydroxymercury   | 14066-61-6   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | (Acetato-O)methylmercury  | 109-62-6   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | (Acetato-O)methylmercury  | 108-07-6   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | (Bromodichloromethyl)phenylmercury  | 3294-58-4  | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | (Dihydroxyphenyl)phenylmercury  | 27360-58-3   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | (Lactato-O1,O2)mercury  | 18918-06-4   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | (Maleoyldioxy)bis(phenylmercury)  | 2701-61-3  | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | (Metaborato-O)phenylmercury   | 31224-71-2   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | (Phenylmercurio)urea  | 2279-64-3  | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | [(2-Hydroxyethyl)amino]phenylmercury acetate  | 61792-06-1   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | [.mu.-{(Oxydiethylene but-2-enedioato)(2-)}]diphenylmercury                                       | 94070-92-5   | D/P       | LR |   |  |   |   | 10-Jan-2005 |
|     | [.mu.-[4,4'-(Oxydiethylene) bis(dodeceny)succinato)](2-)]diphenylmercury                          | 93882-20-3   | D/P       | LR |   |  |   |   | 10-Jan-2005 |

|  |            |     |    |  |  |  |             |
|--|------------|-----|----|--|--|--|-------------|
| [.mu.-[Metasilicato(2-)-O-O]]bis(2-methoxyethyl)dimercury                                | 19367.79-4 | D/P | LR |  |  |  | 10-Jan-2005 |
| [.mu.-[Orthoborato(2-)-O-O]]diphenyldimercury  | 6273-99-0  | D/P | LR |  |  |  | 10-Jan-2005 |
| [2,2',2''-Nitrilotri(ethano)-N,O,O',O']phenylmercury lactate                             | 23319-66-6 | D/P | LR |  |  |  | 10-Jan-2005 |
| [2-Ethylhexyl hydrogen maleato-O]phenylmercury   | 27805-30-7 | D/P | LR |  |  |  | 10-Jan-2005 |
| [Benzato(2-)-C2,O1]mercury   | 5722-59-9  | D/P | LR |  |  |  | 10-Jan-2005 |
| [Naphthoato(1-)-O]phenylmercury  | 31632-68-5 | D/P | LR |  |  |  | 10-Jan-2005 |
| 2-(Ethylmercuriothio)benzoic acid  | 148-61-8   | D/P | LR |  |  |  | 10-Jan-2005 |
| 2-Ethoxyethylmercury acetate   | 124-08-3   | D/P | LR |  |  |  | 10-Jan-2005 |
| 2-Ethoxyethylmercury chloride  | 124-01-6   | D/P | LR |  |  |  | 10-Jan-2005 |
| 2-Hydroxy-5-(1,1,3,3-tetramethylbutyl)phenylmercury acetate                              | 584-18-9   | D/P | LR |  |  |  | 10-Jan-2005 |
| 2-Methoxyethylmercury chloride   | 123-88-6   | D/P | LR |  |  |  | 10-Jan-2005 |
| 6-Methyl-3-nitrobenzamercurate   | 133-58-4   | D/P | LR |  |  |  | 10-Jan-2005 |
| Barium tetradomercurate  | 10048-99-4 | D/P | LR |  |  |  | 10-Jan-2005 |
| Bis(5-oxo-DL-prolinato-N1,O2)mercury   | 94276-38-7 | D/P | LR |  |  |  | 10-Jan-2005 |
| Bis(5-oxo-L-prolinato-N1,O2)mercury  | 94481-62-6 | D/P | LR |  |  |  | 10-Jan-2005 |
| Bis(acetato-O)[.mu.-[1,3-dioxane-2,5-diy]bis(methyleno)-c'c',O,O']dimercury              | 84029-43-6 | D/P | LR |  |  |  | 10-Jan-2005 |
| Bis[lactato-O1,O2]mercury  | 18917.83-4 | D/P | LR |  |  |  | 10-Jan-2005 |
| Bis(trichloromethyl)mercury  | 6795-81-9  | D/P | LR |  |  |  | 10-Jan-2005 |
| Bis(+)-lactato]mercury   | 33724-17-3 | D/P | LR |  |  |  | 10-Jan-2005 |
| Bis(trimethylsilyl)methyl]mercury  | 13294-23-0 | D/P | LR |  |  |  | 10-Jan-2005 |
| Bromo(2-hydroxypropyl)mercury  | 18832-83-2 | D/P | LR |  |  |  | 10-Jan-2005 |
| Bromoethylmercury  | 107-26-6   | D/P | LR |  |  |  | 10-Jan-2005 |
| Bromomethylmercury   | 508-83-2   | D/P | LR |  |  |  | 10-Jan-2005 |
| Bromophenylmercury   | 1192-89-8  | D/P | LR |  |  |  | 10-Jan-2005 |
| Chloromerdrin  | 62-37-3    | D/P | LR |  |  |  | 10-Jan-2005 |
| Chloro(hydroxyphenyl)mercury   | 1320-80-6  | D/P | LR |  |  |  | 10-Jan-2005 |
| Chloro(o-hydroxyphenyl)mercury   | 90-03-9    | D/P | LR |  |  |  | 10-Jan-2005 |
| Chloro(p-(2-hydroxy-1-naphthyl)azo)phenyl]mercury  | 3076-91-3  | D/P | LR |  |  |  | 10-Jan-2005 |
| Chloro-2-thienylmercury  | 5857-39-6  | D/P | LR |  |  |  | 10-Jan-2005 |
| Chloro-m-tolylmercury  | 5855-19-1  | D/P | LR |  |  |  | 10-Jan-2005 |
| Chloro-o-tolylmercury  | 2777-37-9  | D/P | LR |  |  |  | 10-Jan-2005 |
| Cobaltate(2-), tetrakis(thiocyanato-N)-, mercury(2+) (1:1), (T-4)                        | 27685-51-4 | D/P | LR |  |  |  | 10-Jan-2005 |
| Cyclohexanebutanoic acid, mercury(2+) salt   | 62638-02-2 | D/P | LR |  |  |  | 10-Jan-2005 |
| Diammonium tetrachloromercurate  | 33445-15-7 | D/P | LR |  |  |  | 10-Jan-2005 |
| Diethylmercury   | 62744-1    | D/P | LR |  |  |  | 10-Jan-2005 |
| Dihydrogen [orthoborato(3-)-O]phenylmercurate(2-)  | 102-98-7   | D/P | LR |  |  |  | 10-Jan-2005 |
| Diiodo(5-iodopyridin-2-amino-N1)mercury  | 93820-20-3 | D/P | LR |  |  |  | 10-Jan-2005 |
| Dimercury amidatenitrate   | 1310-88-9  | D/P | LR |  |  |  | 10-Jan-2005 |
| Dimercury difluoride   | 13967-25-4 | D/P | LR |  |  |  | 10-Jan-2005 |
| Dimercury diiodide   | 15385-57-6 | D/P | LR |  |  |  | 10-Jan-2005 |
| Dimercury(I) oxalate   | 2949-11-3  | D/P | LR |  |  |  | 10-Jan-2005 |
| Dimethyl[.mu.-[sulphato(2-)-O-O]]dimercury   | 3810-81-9  | D/P | LR |  |  |  | 10-Jan-2005 |
| Dimethylmercury  | 583-74-8   | D/P | LR |  |  |  | 10-Jan-2005 |
| Di-o-tolylmercury  | 616-99-9   | D/P | LR |  |  |  | 10-Jan-2005 |
| Diphenyl[.mu.-[(tetrapropenyl)succinato(2-)-O-O]]dimercury                               | 27236-65-3 | D/P | LR |  |  |  | 10-Jan-2005 |
| Diphenylmercury  | 587-85-9   | D/P | LR |  |  |  | 10-Jan-2005 |
| Disodium tetra(cyano-C)mercurate(2-)   | 15682-88-9 | D/P | LR |  |  |  | 10-Jan-2005 |
| Disuccinimidomercury   | 584-43-0   | D/P | LR |  |  |  | 10-Jan-2005 |
| Ethyliodomercury   | 2440-42-8  | D/P | LR |  |  |  | 10-Jan-2005 |
| Ethylmercuric chloride   | 107-27-7   | D/P | LR |  |  |  | 10-Jan-2005 |
| Ethylmercuric phosphate  | 2235-25-8  | D/P | LR |  |  |  | 10-Jan-2005 |
| Fluorescein mercuric acetate   | 3570-80-7  | D/P | LR |  |  |  | 10-Jan-2005 |
| Hexanoic acid, 2-ethyl-, mercury(2+) salt  | 13170-76-8 | D/P | LR |  |  |  | 10-Jan-2005 |
| Hydrargaphen   | 14235-86-0 | D/P | LR |  |  |  | 10-Jan-2005 |
| Hydrogen [metasilicato(2-)-O][2-methoxyethyl]mercurate(1-)                               | 64491-92-5 | D/P | LR |  |  |  | 10-Jan-2005 |
| Hydrogen .mu.-hydroxy[.mu.-[orthoborato(3-)-O-O]]diphenyldimercurate(1-)                 | 94277-53-9 | D/P | LR |  |  |  | 10-Jan-2005 |
| Hydrogen [3-[(alpha-carboxylato-o-anisoyl)amino]-2-hydroxypropyl]hydroxymercurate(1-)    | 26552-50-1 | D/P | LR |  |  |  | 10-Jan-2005 |
| Iodomethylmercury  | 143-36-2   | D/P | LR |  |  |  | 10-Jan-2005 |
| Lactatophenylmercury   | 122-64-5   | D/P | LR |  |  |  | 10-Jan-2005 |
| Meralein sodium  | 4388-35-0  | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercaptomerin sodium   | 21259-78-7 | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuderamide  | 525-30-4   | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercurate(1-), (4-carboxylatophenyl)chloro-, hydrogen                                    | 59-85-8    | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercurate(1-), (4-carboxylatophenyl)hydroxy-, sodium                                     | 138-85-2   | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercurate(1-), triiodo-, hydrogen, compound with 3-methyl-2(3H)-benzothiazolimine (1:1)  | 72379-35-2 | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercurate(2-), tetrachloro-, dipotassium, (T-4)  | 20582-71-2 | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercurate(2-), tetraiodo-, (T-4)-, dihydrogen, compound with 5-iodo-2-pyridinamine (1:2) | 63325-16-6 | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercurate(2-), tetraiodo-, dicopper(+), (T-4)  | 13876-85-2 | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric acetate   | 1600-27-7  | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric arsenate  | 7784-37-4  | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric benzoate  | 583-15-3   | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric bromide   | 7789-47-1  | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric chloride  | 7487-94-7  | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric cyanide   | 592-04-1   | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric iodide  | 7774-29-0  | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric nitrate   | 10045-94-0 | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric oxide   | 21908-53-2 | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric oxycyanide  | 1335-31-5  | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric potassium cyanide   | 591-89-9   | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric subsulfate  | 1312-03-4  | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric sulfate   | 7783-35-9  | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercuric thiocyanate   | 592-85-8   | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercurobutol   | 498-73-7   | D/P | LR |  |  |  | 10-Jan-2005 |
| Mercurous acetate  | 631-60-7   | D/P | LR |  |  |  | 10-Jan-2005 |

|  |   |             |     |    |   |  |  |  |  |             |
|--|---|-------------|-----|----|---|--|--|--|--|-------------|
|  | Mercurous azide   | 38232-63-2  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercurous chloride  | 7546-30-7   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercurous iodide  | 7783-30-4   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercurous nitrate   | 10415-75-5  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercurous oxide   | 15829-33-5  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercurous sulfate   | 7783-36-0   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury   | 7439-97-6   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, bromo[1-(methoxyphenylmethyl)-2-oxo-2-[(1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)oxy]ethyl]-                 | 5326-00-1   | D/P | LR |   |  |  |  |  | 1-Aug-2014  |
|  | Mercury (I) chromate  | 13465-34-4  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury (I) nitrate   | 14836-69-3  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury (II) chromate   | 13444-75-2  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury (II) nitrate, monohydrate   | 7783-34-6   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury acetate   | 592-63-2    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury acetylde  | 68833-55-6  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury ammonium chloride   | 10124-48-8  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury bis(4-chlorobenzoate)   | 15516-76-4  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury bis(trifluoroacetate)   | 13257-51-7  | D/P | LR |   |  |  |  |  | 10-Jan-2007 |
|  | Mercury bromide (HgBr <sub>2</sub> )  | 15385-58-7  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury bromide (HgBr)  | 10031-18-2  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury chloride  | 10112-91-1  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury dichromate  | 7789-10-8   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury diiodate  | 7783-32-6   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury dipotassium tetrathioarsate   | 14099-12-8  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury disilver tetraiodide  | 7784-03-4   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury distearate, pure  | 645-99-8    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury fluoride  | 27575-47-9  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury fluoride (HgF <sub>2</sub> )  | 7783-39-3   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury gluconate   | 63937-14-4  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury nitride   | 12136-15-1  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury oleate  | 1191-80-6   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury salicylate  | 5970-32-1   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury selenide (HgSe)   | 20601-83-6  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury silver iodide   | 12344-40-0  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury succinate   | 589-65-1    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury sulfide (HgS)   | 1344-48-5   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury telluride (HgTe)  | 12368-90-5  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury thallium dinitrate  | 94022-47-6  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury(1+) bromate   | 13465-33-3  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury(1+) ethyl sulphate  | 71720-55-3  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury(1+) trifluoroacetate  | 2923-15-1   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury(1+), amminephenyl-, acetate   | 22450-90-4  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury(2+) (9Z,12Z)-octadeca-9,12-dienoate   | 7756-49-2   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury(2+) chloroacetate   | 26719-07-3  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury(2+), bis(2,4,6-tri-2-pyridinyl-1,3,5-triazine-N1,N2,N6)-, (OC-6-1'2)  | 53010-52-9  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury(II) oxalate   | 3444-13-1   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury(II) potassium iodide  | 7783-33-7   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (2-ethylhexanoato-O)(1-methoxycyclohexyl)-   | 103332-13-4 | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (1-methoxycyclohexyl)(neodecanoato-O)-   | 103369-15-9 | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (1-methoxyethyl)(9-octadecenoato-O)-   | 104325-07-7 | D/P | LR |   |  |  |  |  | 10-Jan-2007 |
|  | Mercury, (1-methoxycyclohexyl)(9-octadecenoato-O)-  | 104325-08-8 | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (1-methoxyethyl)(neodecanoato-O)-  | 104335-53-7 | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (2-ethylhexanoato-O)(1-methoxyethyl)-  | 104339-46-0 | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (2',7'-dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9-[9H]xanthen]-4'-yl)hydroxy-, disodium salt | 129-16-8    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (2-ethylhexanoato-O)phenyl-  | 13302-00-6  | P   | LR | Reg. (EC) No 1907/2006 (REACH Annex XVII) |  |  |  | 0.01% by weight of Mercury in the articles or any part thereof | 10-Jan-2005 |
|  | Mercury, (9-octadecenoato-O)phenyl-, (Z)-   | 104-60-9    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (acetato-O)(2-hydroxy-5-nitrophenyl)-  | 63468-53-1  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (acetato-O)(4-aminophenyl)-  | 6283-24-5   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (acetato-O)[3-(chloromethoxy)propyl-C,O]-  | 5954-14-3   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (acetato-O)[4-[4-(dimethylamino)phenyl]azobiphenyl]-   | 19447-62-2  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (acetato-O)diaminophenyl-, (T-4)-  | 68201-97-8  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, (neodecanoato-O)phenyl-  | 26545-49-3  | P   | LR | Reg. (EC) No 1907/2006 (REACH Annex XVII) |  |  |  | 0.01% by weight of Mercury in the articles or any part thereof | 10-Jan-2005 |
|  | Mercury, [mu.-[dodecylbutanedioato(2)-O,O']diphenylid-  | 24806-32-4  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, [2,5-dichloro-3,6-dihydroxy-2,5-cyclohexadiene-1,4-dionato(2)-O1,O6]-                                      | 3770-60-4   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, bis(4-methylphenyl)-   | 537-64-4    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, bis(acetato-O)(benzenamine)-   | 63549-47-3  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, bis(phenylidiazene-carbothioic acid 2-phenylhydrazidato-N2,S)-, (T-4)-                                     | 14783-59-6  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, chloro(2-hydroxy-5-nitrophenyl)-   | 24579-90-6  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, chloro(4-hydroxyphenyl)-   | 623-07-4    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, chloro(4-methylphenyl)-  | 539-43-5    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, chloro(ethanethiolato)-  | 1785-43-9   | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, chloro[2-(2-cyclohexen-1-yl)-3-benzofuranyl]-  | 90584-88-6  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, chloro[p-(2,4-dinitroanilino)phenyl]-  | 15785-93-0  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, compound with sodium (2:1)   | 12055-37-7  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, compound with sodium (4:1)   | 57363-77-6  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, compound with titanium (1:3)   | 11083-41-3  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, dibutyl-   | 629-45-6    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, iodo(iodomethyl)-  | 141-51-5    | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, methyl(8-quinolinolato-N1,O6)-   | 86-85-1     | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, phenyl(phenylidiazene-carbothioic acid 2-phenylhydrazidato)-   | 56724-82-4  | D/P | LR |   |  |  |  |  | 10-Jan-2005 |
|  | Mercury, phenyl(propanoato-O)-  | 103-27-5    | P   | LR | Reg. (EC) No 1907/2006 (REACH Annex XVII) |  |  |  | 0.01% by weight of Mercury in the articles or any part thereof | 10-Jan-2005 |

|     |   |             |       |       |  |   |           |   |   |   |  |             |
|-----|---|-------------|-------|-------|--|---|-----------|---|---|---|--|-------------|
|     | Mercury, phenyl(trichloromethyl)-   | 3294-57-3   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Mercurymethylchloride   | 115-09-3    | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Mersalyl  | 482-18-2    | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Mersalyl acid   | 486-87-9    | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Methoxyethylmercuric acetate  | 151-38-2    | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Methyl mercury dicyandiamide  | 502-39-6    | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Methyl(pentachlorophenolato)mercury   | 5902-76-1   | P     | LR    |  | Japan Chemical Substance Control Law [Class I]  |           |   |   |   |  | 10-Jan-2005 |
|     | Methylmercury   | 22967-92-6  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Methylmercury benzoate  | 3626-13-9   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Methylmercury hydroxide   | 1184-57-2   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | N-(Ethylmercurio)-p-toluenesulphonamide   | 51716-9     | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Naphthenic acids, mercury salts   | 1336-96-5   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Nitric acid, mercury(2+) salt, hemihydrate  | 13465-31-1  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Oximerate sodium  | 16509-11-8  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Perchloric acid, mercury(2+) salt   | 7616-83-3   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenyl(guainolin-8-olato-N1,O8)mercury  | 14354-56-4  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenyl(tribromomethyl)mercury   | 3294-60-8   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenylmercuric acetate  | 62-38-4     | P     | LR    |  | Reg. (EC) No 1907/2006 (REACH Annex XVII)   |           |   |   | 0.01% by weight of Mercury in the articles or any part thereof  |  | 10-Jan-2005 |
|     | Phenylmercuric hydroxide  | 100-57-2    | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenylmercuric nitrate  | 55-68-5     | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenylmercury benzoate  | 94-43-9     | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenylmercury chloride  | 100-56-1    | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenylmercury dimethylthiocarbamate   | 32407-99-1  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenylmercury hydroxide-phenylmercury nitrate   | 8003-05-2   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenylmercury salicylate  | 28086-13-7  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phenylmercury stearate  | 104-59-6    | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Phosphoric acid, mercury salt   | 10451-12-4  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Potassium triodomercurate(1-)   | 22330-18-3  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Sodium [3-[[[(3-carboxylatopropionamido)carbonyl]amino]-2-methoxypropyl]thio]mercurate(1-)                                | 7620-30-6   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Sodium 4-chloromercurio)benzoate  | 3198-04-7   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Sodium o-(ethylmercurio)benzoate  | 54-64-8     | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Sodium timerfonate  | 5964-24-9   | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Tetrakis(acetato-O)[mu.4-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen)-2',4',5',7'-tetrayl]tetramercury | 54295-90-8  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Trimercury bisulfate  | 18211-85-3  | D/P   | LR    |  |   |           |   |   |   |  | 10-Jan-2005 |
|     | Cadmium Mercury Sulfide   | 1345-09-1   | D/P   | LR    |  |   |           |   |   |   |  | 1-Feb-2009  |
|     | Mercury, (2-mercaptopacetamido-O,S)methyl   | 7548-26-7   | D/P   | LR    |  |   |           |   |   |   |  | 1-Feb-2009  |
|     | Mercury-difluorinate  | 628-86-4    | D/P   | LR    |  |   |           |   |   |   |  | 1-Feb-2009  |
| 671 | mercury oxide   | 15829-53-5  | P     | FI    |  | Kubota 2014/ Renault 2007   |           |   |   |   |  |             |
| 672 | mercury(II) chloride  | 7487-94-7   | P / R | FI    |  | Kubota 2014/ Renault 2007   |           |   |   | wood protection   |  |             |
| 673 | mercury(II) oxide   | 21908-53-2  | P / R | FI    |  | Renault 2007  |           |   |   | mercurial reactant  |  |             |
| 674 | mestranol   | 72-33-3     | D     |       |  | Renault 2007  |           |   |   |   |  |             |
| 675 | methanamine   | 74-89-5     | M / C |       |  | Kubota 2014/ Renault 2007   |           |   |   |   |  |             |
| 676 | Methanaminium, N-[4-[[4-(dimethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, chloride           | 569-64-2    | D     | FI    |  | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |           |   |   |   |  | 1-Feb-2017  |
| 677 | Methanol  | 67-56-1     | D/P   | FI/LR |  | Norway, Sweden (SFS 1985:840; SFS 1986:8), Denmark, Finland<br>South Korea Registration and Evaluation of Chemical Substance Act (New standards for washer fluid for vehicles)<br>Reg. (EC) No 1907/2006 (REACH Candidate List and Annex XVII)  | 22-Feb-18 | Only washer fluid with ethanol would be allowed (South Korea) | Window Washer fluid applications  | 0.6% in windscreen washing or defrosting fluids   |  | 10-Jan-2005 |
| 678 | Methoxyacetic acid  | 625-45-6    | R     |       |  | Scania, Grevlist, 20.02.2019  |           |   |   | Lime remover  |  | 19-Dec-2012 |
| 679 | methoxychlor  | 72-43-5     | D     |       |  | Renault 2007  |           |   |   |   |  |             |
| 680 | methacrylaldehyde   | 78-85-3     | M     |       |  | Renault 2007  |           |   |   |   |  |             |
| 681 | methyl acrylate   | 96-33-3     | M / C |       |  | Kubota 2014/ Renault 2007   |           |   |   |   |  |             |
| 682 | Methyl bromide/ bromomethane  | 74-83-9     | P     |       |  | Kubota 2014/ Renault 2007   |           |   |   |   |  |             |
| 683 | Methyl isothiazollone-2-methyl-4-thiazoline-3-ketone  | 2682-20-4   | D / C |       |  | Scania 2014/ Kubota 2014/ Renault 2007  |           |   |   | Scania 2014: Aqueous solutions, Cutting fluids, Paints/<br>Application: This standard applies to every deliberate addition of Biocides listed. Concentration limit is 0%;<br>Aqueous solutions, in polymer materials and their intermediate products, Polymers; (Scania, 2010): aqueous solutions, cutting fluids, paints   |  |             |
| 684 | methyacetate  | 79-20-9     | M     |       |  | Renault 2007  |           |   |   |   |  |             |
| 685 | methybenzoate   | 93-58-3     | M     |       |  | Renault 2007  |           |   |   |   |  |             |
| 686 | methylbromoglutaronitrile   | 3591-65-7   | D     |       |  | Renault 2007  |           |   |   | bactericide   |  |             |
| 687 | methylmercury   | 22967-92-6  | P / R | FI    |  | Kubota 2014/ Renault 2007   |           |   |   | Renault 2007: mercurial reactant  |  |             |
| 688 | Methyloxirane (Propylene oxide)   | 75-56-9     | C/M   | FI    |  | Scania, Grevlist, 20.02.2019  |           |   |   |   |  | 19-Dec-2012 |
| 689 | metiram (ethylenebis(dithiocarbamic acid), polymer with ammonia complex of zinc)  | 9006-42-2   | D     |       |  | Renault 2007  |           |   |   | Renault 2007: fungicide   |  |             |
| 690 | Mineral fibers (Natural or Synthetic), all members except:<br>- Non-respirable fibers<br>- Fibers with low biopersistence |             | D     | LR    |  | Reg. (EC) No 1907/2006, (REACH Candidate List), and Dir. 2009/425/EC, Reg. (EC) No 1272/2008: CLP<br>- Except fibers with length weighted geometric mean diameter less two standard errors > 6 micron (i.e. Continuous Filament Fibers) and with < 10 days half life in short time inhalation test or < 40 days half life in IT installation test |           |   | Friction materials, clutch facings, screens, reinforcements, insulation, cables, exhaust system components, gaskets, tires, plastics. | Fibers or fibrils that:<br>1. exceed biopersistence limits (i.e. don't fall under Nota Q of Reg. (EC) No 1272/2008 (CLP) and,<br>2. are considered respirable (i.e. not continuous filament or not falling under Nota R of EU-D 1272/2008 (CLP) and,<br>3. have a fibre diameter of 3 microns or less, and a length of 5 micron or more, with a length:diameter ratio equal to or greater than 3:1 (WHO definition) |  | 10-Jan-2005 |
|     | Ceramic Fibers  | 142844-00-6 | D     | LR    |  |   |           |   |   | Catalyst mesh reinforcements  |  | 10-Jan-2005 |
|     | Calcium-Magnesium-Zirconium-Silicate Mixture  | 329211-92-9 | D     | LR    |  |   |           |   |   |   |  | 1-Feb-2009  |
|     | Aluminium Chloride, Basic reaction products with Silica   | 675106-31-7 | D     | LR    |  |   |           |   |   |   |  |             |
| 691 | Mineral oil (PAHs above 3%)   | Several     | C     |       |  | Scania, Blacklist, 20.02.2019   |           |   |   | Base oils Lubricants  |  | 24-Feb-1998 |

|     |  |             |       |          |  |  |  |             |
|-----|--|-------------|-------|----------|--|--|--|-------------|
| 692 | Mirex; Dodecachloropentacyclo [5.3.0.0.2.6.0.3.9.0.4.8]  | 2385-85-5   | P     |          | Kubota 2014/ Bosch 2009/ Renault 2007  |  | Bosch 2012; prohibition of use:  |             |
| 693 | Miristalkonium chloride;   | 139-08-2    | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |  |  | 1-Feb-2017  |
| 694 | Molybdenum trioxide  | 1313-27-5   | D     | FI       | Included in list of substances under REACH PACT assessment   |  | Harness, leather, electronics  | 1-Feb-2018  |
| 695 | Monomethyldibromodiphenylmethane   | 99688-47-8  | P     | LR       | Reg. (EC) No 552/2009 REACH Annex XVII   |  | Residues and decomposition products in production of polymers  | 10-Jan-2005 |
| 696 | Monomethyldichlorodiphenylmethane  | 81161-70-8  | P     | LR       | Reg. (EC) No 552/2009 REACH Annex XVII   |  | Residues and decomposition products in production of polymers  | 10-Jan-2005 |
| 697 | Monomethyltetrachlorodiphenylmethane   | 76253-60-6  | P     | LR       | Reg. (EC) No 552/2009 REACH Annex XVII   |  | Residues and decomposition products in manufacture of polymers   | 10-Jan-2005 |
| 698 | monuron  | 150-68-5    | D     |          | Renault 2007   |  | Renault 2010; Biocide  |             |
| 699 | N-(2,4-dinitrophenyl)benzene-1,4-diamine   | 6373-73-5   | M     |          | Renault 2007   |  |  |             |
| 700 | N-(3,5-dichlorophenyl)-2-hydroxy-2-methyl-3-butenamidamid  | 83792-61-4  | D     | FI       | Renault 2007   |  |  |             |
| 701 | N-(trichloromethylthio)phthalimide   | 133-07-3    | D     | FI       | Renault 2007   |  | fungicide, bactericide for varnish, paint and coating  |             |
| 702 | N,N dimethylacetamide (DMAC)   | 127-19-5    | R     | FI       | Scania, Greylist, 20.02.2019   |  |  | 3-Jan-2012  |
| 703 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)   | 101-61-1    | C     | FI       | Scania, Greylist, 20.02.2019   |  |  | 18-Jun-2012 |
| 704 | N,N-dibutylformamide   | 761-65-9    | M     | FI       | Renault 2007   |  |  |             |
| 705 | N,N-dimethylformamide  | 68-12-2     | R     | FI       | Scania, Greylist, 20.02.2019   |  | Solvents, Laboratory chemical  | 19-Dec-2012 |
| 706 | N,N'-ethylenbis(3,4,5,6-tetrabromophthalimide)   | 32588-76-4  | D     | FI       | Included in list of substances under REACH PACT assessment   |  |  | 1-Feb-2019  |
| 707 | N,N'-methylenebismorpholine  | 5625-90-1   | D     | FI       | Renault 2007   |  | Renault 2010; Biocide, fungicide   |             |
| 708 | N,N-di-o-tolylguanidine (DOTG)/ 1,2-Di-o-tolylguanidine, DOTG  | 97-39-2     | D / C |          | Kubota 2014/ Bosch 2009  |  | Bosch 2012; Vulcanization acceleration   |             |
| 709 | N-1-naphthylaniline  | 90-30-2     | D     | FI       | Included in list of substances under REACH PACT assessment   |  | Elastomers / elastomeric compounds; Lubricants   | 1-Feb-2017  |
| 710 | Naphthalene  | 91-20-3     | D / P |          | Kubota 2014/ Bosch 2009/ Renault 2007  |  | Polyester coating, PVC; (4.9.08) Bosch: Xn, harmful; Carc. Cat.3 substances, to be suspected to be carcinogenic; |             |
| 711 | Naphthalenedisulfonic acid, dinonyl-   | 60223-95-2  | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |  |  | 1-Feb-2017  |
| 712 | Naphthalenesulfonic acid, dinonyl-   | 25322-17-2  | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |  |  | 1-Feb-2017  |
| 713 | Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1)   | 57855-77-3  | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |  |  | 1-Feb-2017  |
| 714 | naphthenic acid, lead salt/ Lead naphthenate   | 61790-14-5  | P / R |          | Kubota 2014/ Renault 2007  |  | drier  |             |
| 715 | Nickel and its compounds, all members  |             | D/P   | FI/FA/LR | Reg. (EC) No 552/2009  |  | Welding electrodes, flame spraying, special materials, component in metals                                       | 10-Jan-2005 |
|     | (2-Ethylhexanoato-O)(isodecanoato-O)nickel   | 84852-39-1  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (2-Ethylhexanoato-O)(isononanoato-O)nickel   | 85508-45-8  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (2-Ethylhexanoato-O)(isooctanoato-O)nickel   | 84852-39-0  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (2-Ethylhexanoato-O)(neodecanoato-O)nickel   | 85135-77-9  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (isodecanoato-O)(isononanoato-O)nickel   | 84852-36-8  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (isodecanoato-O)(isooctanoato-O)nickel   | 85166-19-4  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (isodecanoato-O)(neodecanoato-O)nickel   | 85508-42-5  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (isononanoato-O)(isooctanoato-O)nickel   | 85508-46-9  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (isononanoato-O)(neodecanoato-O)nickel   | 85551-28-6  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (isooctanoato-O)(neodecanoato-O)nickel   | 84852-35-7  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | (Neononanoato-O)(neoundecanoato-O)nickel   | 93920-08-2  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | [mu.-[[1,1',1'',1''']-Benzene-1,2,4,5-tetrayltetrakis(nitromethylidene)]naphth-2-olato(4-)]dinickel                                    | 22484-07-7  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | [mu.-[Carbonato(2-)-O,O']dihydroxydinickel   | 65405-96-1  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | [[2,2'-(4,8-Dichlorobenzo[1,2-d:4,5-d']bisoxazole-2,6-diyl)bis(4,6-dichlorophenolato)](2-)]nickel                                      | 47726-62-5  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | [[2,2'-Thiobis(3-octylphenolato)](2-)-O,O,S]nickel   | 33882-09-6  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | [[N,N',N'',N''']-(29H,31H-Phthalocyaninetetrakis(sulphonylimino-3,1-phenylene))tetrakis(3-oxobutylamidato)](2-)-N29,N30,N31,N32]nickel | 97404-22-3  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | [[N,N',N''']-(29H,31H-Phthalocyaninetriyltris(sulphonylimino-3,1-phenylene))tris(3-oxobutylamidato)](2-)-N29,N30,N31,N32]nickel        | 97404-21-2  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ammonium nickel(2+) salt (2:2:1)  | 68025-13-8  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | 1,2,3-Propanetriol, 1-(dihydrogen phosphate), nickel(2+) salt (1:1)  | 68391-37-7  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | 1,2,3-Propanetriol, mono(dihydrogen phosphate), nickel(2+) salt (1:1)  | 67952-69-6  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | 1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, nickel(2+) salt (1:1)   | 18824-79-8  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | Benzidine, Ni(2+) salt   | 67632-50-2  | P     | LR       |  |  |  | 1-Feb-2014  |
|     | 2,7-Naphthalenedisulfonic acid, nickel(2+) salt (1:1)  | 72319-19-8  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | 2-Ethylhexanoic acid, nickel salt  | 7580-31-6   | D     | FI       |  |  |  | 10-Jan-2005 |
|     | Acetic acid, nickel(2+) salt, polymer with formaldehyde and 4-(1,1,3,3-tetramethylbutyl)phenol   | 71050-57-2  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | Aluminum boron cobalt lithium nickel oxide   | 207803-51-8 | D     | FI       |  |  |  | 1-Feb-2012  |
|     | Aluminum cobalt lithium nickel oxide   | 193214-24-3 | D     | FI       |  |  |  | 1-Feb-2012  |
|     | Aluminum nickel oxide (Al2NiO4)  | 12004-35-2  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | Aluminum, compound with nickel (1:1)   | 12003-78-0  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | Aluminum, triethyl-, reaction products with nickel(2+) bis(2-ethylhexanoate)   | 79357-65-6  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | Antimony oxide (Sb2O3), solid solution with nickel oxide (NiO) and titanium oxide (TiO2)   | 73892-02-1  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | Antimony, compound with nickel (1:1)   | 12035-52-8  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | Antimony, compound with nickel (1:3)   | 12503-49-0  | D     | FI       |  |  |  | 10-Jan-2005 |
|     | Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)  | 55868-93-4  | D     | FI       |  |  |  | 10-Jan-2005 |

|   |                         |     |    |  |  |  |  |  |             |
|---|-------------------------|-----|----|--|--|--|--|--|-------------|
| Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)  | 52625-25-9              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-O,O')nickel   | 14949-69-0              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(1,5-cyclooctadiene)nickel   | 1295-35-8               | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(1H-1,2,4-triazole-3-sulphonato-N2,O2)nickel   | 85586-46-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(1-nitroso-2-naphtholato)nickel  | 12794-26-2              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')(2,2,4,4-tetramethyl-7-oxa-3,20-diazadispiro[5.11.1.2]henicosan-21-one-O2)nickel  | 79121-51-0              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')nickel  | 69524-96-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(5-oxo-DL-prollinato-N1,O2)nickel  | 85026-81-9              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(5-oxo-L-prollinato-N1,O2)nickel   | 70824-02-1              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(butanedione dioximato)nickel  | 13478-93-8              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(D-gluconato-O1,O2)nickel  | 71957-07-8              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(diethylthiocarbamato-S,S')nickel  | 52610-81-8              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(quinolin-8-olato-N1,O6)nickel   | 14100-15-3              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis((2-hydroxyethyl)thiocarbamato-S,S')nickel   | 52486-99-3              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(2-hydroxy-4-(octyloxy)benzophenonato)nickel   | 15843-91-1              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(bis(2-hydroxyethyl)thiocarbamato-S,S')nickel  | 52486-99-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(di(3,5,5-trimethylhexyl)thiocarbamato-S,S')nickel   | 84604-95-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(N-(2,4-dimethoxyphenyl)-2,3-bis(hydroxylimino)butyramidato-N2,N3)nickel   | 85269-39-2              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bis(N-(2-hydroxyethyl)-N-methylglycinate-N,O)nickel   | 76825-10-0              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Bismuth, compound with nickel (1:1)   | 12689-64-1              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Butanedioic acid, 2,3-dihydroxy-[R(R',R'')]-, nickel(2+) salt (2:1)   | 67952-41-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| C.I. Reactive green 12  | 72152-45-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobalt lithium manganese nickel oxide   | 182442-95-1/346417-97-8 | D   | FI |  |  |  |  |  | 1-Feb-2012  |
| [Carbonato(2-)] tetrahydroxytrickel   | 12607-70-4              | D   | FI | Included in list of substances under REACH PACT assessment |  |  |  | Ceramic colours and glazes, nickel plating | 1-Feb-2018  |
| Carbonic acid, nickel salt  | 16337-84-1              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Carbonic acid, nickel(2+) salt (2:1)  | 17237-93-3              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Cassiterite, cobalt manganese nickel grey   | 99749-23-2              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Chromic acid (H2Cr2O7), nickel(2+) salt (1:1)   | 15586-38-6              | D/P | LR |  |  |  |  |  | 1-Feb-2014  |
| Chromium nickel oxide (Cr2NiO4)   | 12018-18-7              | D   | FI |  |  |  |  |  | 1-Feb-2014  |
| Chloric acid, nickel(2+) salt   | 67952-43-6              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Citric acid, ammonium nickel salt   | 16283-82-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobalt molybdenum nickel oxide (CoMo2NiO8)  | 68016-03-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobalt nickel oxide (CoNiO2)  | 58591-45-0              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Cobalt(2+) dinickel(2+) bis(2-hydroxypropane-1,2,3-tricarboxylate)  | 94232-44-7              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Copper(2+), bis(1,2-ethanediamine-N,N'), (SP-4-1)-tetrakis(cyanocinnelate(2-))nickel(2+) salt (1:1)   | 63427-32-7              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Copper, compound with lanthanum and nickel (4:1:1)  | 51912-52-8              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Cyclohexanecarboxylic acid, nickel(2+) salt   | 3906-55-6               | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Diammonium tetrachloronickelate(2-)   | 99587-11-8              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Dicobalt(2+) nickel(2+) bis(2-hydroxypropane-1,2,3-tricarboxylate)  | 94232-84-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Diliron nickel tetraoxide   | 12168-54-6              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Dilron nickel zinc tetraoxide   | 97435-21-7              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Dimethoxy[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]nickel   | 83898-70-8              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Dimethylhexanoic acid, nickel salt  | 83893-69-7              | D   | FI |  |  |  |  |  | 10-Jan-2007 |
| Dinickel orthosilicate  | 13775-54-7              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Diphosphoric acid, nickel(2+) salt  | 19372-20-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Diphosphoric acid, nickel(2+) salt (1:2)  | 14448-18-1              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Dipotassium tetrafluoronickelate(2-)  | 13859-60-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Dipotassium tris(cyano-cinnelate(2-))nickel   | 39049-81-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Dysprosium, compound with nickel (1:2)  | 12175-27-8              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Ethyl hydrogen sulphate, nickel(2+) salt  | 71720-48-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Fatty acids, C6-19-branched, nickel salts   | 91697-41-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Fatty acids, C8-18 and C18-unsaturated, nickel salts  | 84776-45-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Hexaaminenickel(2+) bis(tetrafluoroborate(1-))nickel  | 13877-20-8              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Hexanoic acid, 2-ethyl-, nickel(2+) salt  | 4454-16-4               | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Iron alloy, base,(Fe,Ni)(tetroneckel)   | 11133-76-9              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Isononanoic acid, nickel(2+) salt   | 84852-37-9              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Lanthanum, compound with nickel (1:5)   | 12196-72-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Leach residues, nickel-vanadium ore - Residues from basic leaching of nickel-bearing vanadium ores. Composed primarily of silica and insoluble compounds of nickel and vanadium with minor quantities of other metals, such as arsenic, lead, tin and zinc. | 84144-92-3              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Lithium nickel cobalt aluminum oxide  | 177997-13-6             | D   | FI |  |  |  |  |  | 1-Feb-2018  |
| Lithium nickel oxide (LiNiO2)   | 12031-65-1              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Molybdenum nickel oxide   | 12673-58-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Naphthenic acids, nickel salts  | 61788-71-4              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Neodecanoic acid, nickel salt   | 51818-56-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel  | 7440-02-0               | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel [R(R',R'')]-tartrate   | 52022-10-3              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel acetate  | 14998-37-9              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel acetate tetrahydrate   | 6018-89-9               | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel acrylate   | 51222-18-5              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel ammonium sulfate   | 15699-18-0              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel arsenide (NiAs)  | 27016-75-7              | D   | FA |  |  |  |  |  | 10-Jan-2005 |
| C.I. Pigment Yellow 157 (Nickel barium titanium priderite)  | 68610-24-2              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel bis(benzenesulphonate)   | 39819-65-3              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel bis(dihydrogen phosphate)  | 18718-11-1              | D   | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel bis(phosphinate)   | 14507-36-9              | D   | FI |  |  |  |  |  | 10-Jan-2005 |

|  |   |             |     |    |  |  |  |  |             |
|--|---|-------------|-----|----|--|--|--|--|-------------|
|  | Nickel bis(piperidine-1-carbodithioate)   | 41476-75-9  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel bisphosphinate   | 36026-88-7  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel boride   | 12619-90-8  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel boride (Ni2B)  | 12007-01-1  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel boride (Ni3B)  | 12007-02-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel boride (NiB)   | 12007-00-0  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel bromide (NiBr2)  | 13462-88-9  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel bromide (NiBr2), trihydrate  | 7789-49-3   | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel carbide  | 12710-36-0  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel carbonate  | 3333-67-3   | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel carbonyl   | 12612-55-4  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel carbonyl   | 13463-39-3  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel chloride   | 37211-05-5  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel chromate   | 14721-18-7  | D/P | LR |  |  |  |  | 1-Feb-2012  |
|  | Nickel cyanide  | 557-19-7    | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel diarsenide   | 12068-61-0  | D   | FA |  |  |  | Threshold 0.01%, 0.05% unless present in metals & alloys | 10-Jan-2005 |
|  | Nickel dibenzoate   | 553-71-8    | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel dibromate  | 14550-87-9  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel dihydroxide hydrate  | 36897-37-7  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel dimethylthiocarbamate  | 15521-65-0  | D   | FI |  |  |  |  | 1-Feb-2012  |
|  | Nickel dipotassium bis(sulphate)  | 13842-46-1  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel dithiocyanate  | 13689-92-4  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel fluoride (NiF2)  | 10028-18-9  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel fluoride (NiF2), tetrahydrate  | 13940-83-5  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel hydrogen phosphate   | 14332-34-4  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel hydride (NiH)  | 14332-32-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel hydroxide  | 11113-74-9  | D   | FI |  |  |  |  | 1-Feb-2019  |
|  | Nickel hydroxide  | 12054-48-7  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel hydroxide  | 12125-56-3  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel isooctanoate   | 27637-46-3  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel methacrylate   | 94275-78-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel nitrate  | 14216-75-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel nitrate (2+ salt)  | 13138-45-9  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel nitrite  | 17861-62-0  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel oxide  | 11099-02-8  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel oxide  | 1313-99-1   | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel oxide (Ni2O3)  | 1314-06-3   | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel oxide (NiO2)   | 12035-36-8  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel perchlorate  | 13637-71-3  | D   | FA | California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act; implemented July 1, 2006. <a href="http://www.dtsc.ca.gov/HazardousWaste/Perchlorate">http://www.dtsc.ca.gov/HazardousWaste/Perchlorate</a> |  |  |  | 10-Jan-2005 |
|  | Nickel phosphide (Ni2P)   | 12035-64-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel potassium cyanide  | 14220-17-8  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel selenate   | 15860-62-5  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel selenide   | 1314-05-2   | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel silicide (Ni2Si)   | 12059-14-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel silicide (NiSi)  | 12035-57-3  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel silicide (NiSi2)   | 12201-89-7  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel subsulfide   | 12035-72-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel sulfate  | 7786-81-4   | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel sulfide (Ni2S3)  | 12259-56-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel sulfide (NiS)  | 16812-54-7  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel telluride  | 12142-88-0  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel tin trioxide   | 12035-38-0  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel titanium oxide   | 12035-39-1  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel titanium oxide   | 12653-76-8  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel titanium tungsten oxide (Ni12W2O47)  | 69011-05-8  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel vanadium oxide (NiV2O6)  | 52502-12-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel zirconium oxide (NiZrO3)   | 70692-93-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(1+), [1-(2-amino-4-imino-5(4H)-thiazolylidene)-N-{1-(2-amino-4-imino-5(4H)-thiazolylidene)-1H-isoindol-3-yl}-1H-isoindol-3-aminato)-chloride | 53199-85-2  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) acrylate   | 60700-37-0  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) methacrylate   | 52496-91-0  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) neodecanoate   | 85509-44-7  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) neononanoate   | 93920-10-6  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) neoundecanoate   | 93920-09-3  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) oleate   | 13001-15-5  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) palmitate  | 13654-40-5  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) selenite   | 10101-96-9  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) silicate   | 21784-78-1  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) sulphite   | 7757-95-1   | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+) trifluoroacetate   | 16083-14-0  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+), bis(1,2-ethanediamine-N,N'), bis[bis(cyano-C)aurate(1-)]  | 68958-89-4  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+), bis(1,2-ethanediamine-N,N'), salt with dimethylbenzenesulfonic acid (1:2)   | 71215-98-0  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+), bis(1,2-propanediamine)-, bis(dicyanoaurate(1-))  | 18972-69-5  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+), bis(ethylenediamine)-, sulfate (1:1)  | 21264-77-7  | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+), hexakis(1H-imidazole-N3)-, (OC-6-11)-, 1,2-benzenedicarboxylate (1:1)   | 108818-89-9 | D   | FI |  |  |  |  | 10-Jan-2005 |
|  | Nickel(2+), tris(1,2-ethanediamine-N,N'), (OC-6-11)-, salt with dimethylbenzenesulfonic acid (1:2)  | 71215-97-9  | D   | FI |  |  |  |  | 10-Jan-2005 |



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|--|-------------|---|----|--|--|--|--|--|-------------|
| Nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, bis(tetrafluoroborate(1-))   | 68309-97-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, dinitrate  | 38780-90-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(2+), hexaammine-, (OC-6-11)-, carbonate(1-1)  | 67806-76-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(2+), hexaammine-, dihydroxide-, (OC-6-11)-  | 51467-07-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) acetate   | 373-02-4    | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) chloride  | 7718-54-9   | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) chloride hexahydrate (1:2:6)  | 7791-20-0   | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) fluoroborate  | 14708-14-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) fumarate  | 6283-67-6   | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) iodide  | 13462-90-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) isodecanoate  | 85508-43-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) isooctanoate  | 29317-63-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) nitrate, hexahydrate (1:2:6)  | 13478-00-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel(II) sulfate hexahydrate (1:1:6)   | 10101-97-0  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, (2-ethylhexanoato-O)(trifluoroacetato-O)-  | 70776-98-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, (2-propano)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2)-O,O',S]-  | 67763-27-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, (carbonato(2-))tetrahydroxytri-, tetrahydrate  | 39430-27-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [(2-amino-2-oxoethoxy)acetato(2-)]-  | 68133-84-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [(mu-((piperazine-N1,N4))bis[3-[1-(4,5,6,7-tetrachloro-1-oxo-1H-isoindol-3-yl)hydrazono]ethyl]-2,4(1H,3H)-quinolinedionato(2-)]di-   | 71889-22-0  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [[1,1'-[1,2-phenylenebis(nitrilomethylidene)]bis[2-naphthalenolato]](2)-N,N',O,O']-, (SP-4-2)-   | 20437-10-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [[2,2'-[methylenebis(thio)bis[acetato]](2)-]   | 71215-73-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [[2,2'-sulfonylbis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2)-O1,O2]-  | 16432-37-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2)-O,O',S]-   | 27574-34-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [1,3-dihydro-5,6-bis[[2-(hydroxy-1-naphthalenyl)methylene]amino]-2H-benzimidazol-2-onato(2-)-N5,N6,O5,O6]-, (SP-4-2)-  | 42844-93-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-   | 14055-02-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]sulfonyl]sulfonyl] derivatives, sodium salts  | 90459-35-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivatives, reaction products with 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium sodium salts, compounds with pyridine | 93573-17-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [29H,31H-phthalocyanine-C,C,C-tetra-sulfonyl tetra-chlorido(2)-N29,N30,N31,N32]-   | 28680-76-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [2-hydroxybenzoic acid [3-[1-cyano-2-(methylamino)-2-oxoethylidene]-2,3-dihydro-1H-isoindol-1-ylidene]hydrazidato(2-)]-  | 85958-80-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [carbonato(2)]hexahydroxytetra-  | 12334-31-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [N-(4-chlorophenyl)-2-[3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]methylene]hydrazino]-1H-isoindol-1-ylidene]-2-cyanoacetamidato(2-)]-  | 71889-20-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [N-(carboxymethyl)glycinato(2-)-N,O,O']-   | 13989-33-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [N,N,N',N''-tetrakis[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C-tetra-sulfonamidato(2-)-N29,N30,N31,N32]-  | 72986-45-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [N,N,N'-tris[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C-trisulfonamidato(2-)-N29,N30,N31,N32]-   | 72252-57-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, 2,2'-thiobis[4-nonylpheno] complexes   | 85480-75-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, acetate carbonate C8-10-branched fatty acids C9-11-neofatty acids complexes  | 90459-30-6  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, acetylacetone 6-methyl-2,4-heptanedione complexes  | 90459-34-0  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, aqua[2-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl)azo]benzoato(2-)]-  | 106316-55-6 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis(2,4-pentanedionato-O,O')-, (SP-4-1)-   | 3264-82-2   | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis(2-heptadecyl-1H-imidazole-N3)bis(octanoato-O)-   | 68912-08-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis(3-amino-4,5,6,7-tetrachloro-1H-isoindol-1-one oximate-N2,O1)-  | 70833-37-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis(dibutylcarbamodithioato-S,S')-, (SP-4-1)-  | 13927-77-0  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis(diethylcarbamodithioato-S,S')-, (SP-4-1)-  | 14267-17-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis(diisopropylcarbamodithioato-S,S')-, (SP-4-1)-  | 85239-61-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis(dipentylcarbamodithioato-S,S')-, (SP-4-1)-   | 36259-37-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis(phenyldiazene-carbothioic acid 2-phenylhydrazidato)-   | 36545-21-8  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[(2-hydroxy-4-octylphenyl)phenylmethanonato-O,O']-  | 68189-15-1  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-  | 83864-02-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[[didecyl (1,2-dicyano-1,2-ethenediyl)bis(carbamato)](2)-]  | 77245-35-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[1,2-bis(4-methoxyphenyl)-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-  | 38951-97-2  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[1,2-diphenyl-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-  | 28984-20-5  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[1-[4-(diethylamino)phenyl]-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-  | 51449-18-4  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[1-[4-(dimethylamino)phenyl]-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-   | 38465-55-3  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[2,3-bis(hydroxyimino)-N-(2-methoxyphenyl)butanamidato]-  | 42739-61-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[2,3-bis(hydroxyimino)-N-phenylbutanamidato-N2,N3]-   | 29204-84-0  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[2,4-dihydro-5-methyl-4-(1-oxodecyl)-2-phenyl-3H-pyrazol-3-onato-O,O']-   | 56557-00-7  | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[2-butene-2,3-dithiolato(2-)-S,S']-, (SP-4-1)-  | 38951-94-9  | D | FI |  |  |  |  |  | 10-Jan-2005 |

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|---|------------|---|----|--|--|--|--|--|-------------|
| Nickel, bis[3-[(4-chlorophenyl)azo]-2,4-(1H,3H)-quinolinedionato]-  | 51931-46-5 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[bis(2-methylpropyl)carbamodithioato-S,S']-, (SP-4-1)-   | 15317-78-9 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, bis[N-hydroxy-3-(hydroxyimino)-N-(2-methoxyphenyl)butanimidamidato-N,N3]-   | 71605-83-9 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, borate C5-10-branched carboxylate complexes   | 90459-31-7 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, borate neodecanoate complexes   | 92502-55-1 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, C4-10 fatty acids naphthenate complexes   | 93573-15-0 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, C4-10 fatty acids octanoate complexes   | 93573-16-1 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, C5-23-branched carboxylate C4-10 fatty acids complexes  | 93762-59-5 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, C5-23-branched carboxylate C4-10 fatty acids naphthenate complexes  | 93573-14-9 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, C5-23-branched carboxylate naphthenate complexes  | 92200-98-1 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, C5-25-branched carboxylate naphthenate octanoate complexes  | 92200-99-2 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, C5-C23-branched carboxylate octanoate complexes   | 90459-32-8 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, compound with niobium (1:1)   | 12034-55-8 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, compound with tin (3:1)   | 12059-23-3 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, compound with zirconium (1:2)   | 12142-92-6 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, isodecanoate naphthenate complexes  | 85585-97-3 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, isononanoate naphthenate complexes  | 85585-98-4 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, isooctanoate naphthenate complexes  | 90459-33-9 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, naphthenate neodecanoate complexes  | 85585-99-5 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, tetrakis(triphenyl phosphite)-P-, (T-4)-  | 14221-00-2 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickel, [6,8,16,18-tetrachloro-1,11-bis(2-ferrocenylmethyl)-1,10,11,20-tetrahydrodibenzoc-[c,h]dipyrzolo[3,4-f',4'-m][1,5,8,9,12]hexaazacyclotetradecinato(2-)-N5,N10,N15,N20]-   | 79745-01-0 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(1-), [[N,N'-1,2-ethanediybis[N-(carboxymethyl)glycinato]](4)-N,N',O,O',ON,ON]-, potassium, (OC-6-21)-   | 67906-12-1 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(1-), [3,4-bis[[2-hydroxy-1-naphthalenyl)methylene]amino]benzoato(3-)-N3,N4,O3,O4]-, hydrogen  | 61300-98-9 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O']-, hydrogen, (T-4)-   | 34831-03-3 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(1-), trichloro-, ammonium   | 24640-21-9 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(2-), [[N,N'-1,2-ethanediybis[N-(carboxymethyl)glycinato]](4)-N,N',O,O',ON,ON]-, dihydrogen, (OC-6-21)-  | 25481-21-4 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(3-), [2,2-[[[3-(6-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(5-)-N29,N30,N31,N32]-, trisodium, (SP-4-2)-   | 71243-96-4 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(3-), [5-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxy-3-[[2-hydroxy-3-nitro-5-sulfo]phenyl]azo]-2,7-naphthalenedisulfonato(5-)-, trisodium   | 79817-91-7 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(3-), [C-[[[3-(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]phenyl]amino]sulfonyl]-C,C,C-tris(aminosulfonyl)-29H,31H-phthalocyanine-C,C,C-trisulfonato(5-)-N29,N30,N31,N32]-, trisodium   | 72229-61-3 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)-, triammonium, (T-4)-   | 68025-40-1 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)-, tripotassium, (T-4)-  | 63597-34-2 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)-, trisodium, (T-4)-   | 68025-41-2 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(4-), [[nitrilotris(methylene)]tris(phosphonato)](6-)-N,OP,OP"-, tetrapotassium, (T-4)-  | 63588-33-0 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(4-), [[nitrilotris(methylene)]tris(phosphonato)](6-)-N,OP,OP,OP"-, tetrasodium, (T-4)-  | 68052-00-6 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(4-), [[nitrilotris(methylene)]tris(phosphonato)](6-)-N,OP,OP,OP"-, triammonium hydrogen, (T-4)-   | 67968-22-3 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(4-), [2,2-[[[4-sulfo]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(6-)-N29,N30,N31,N32]-, tetrahydrogen, (SP-4-2)-  | 70729-79-2 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(4-), [bis[[[3-(4,5-dihydro-3-methyl-5-oxo-1-[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]-1H-pyrazol-4-yl]azo]phenyl]amino]sulfonyl]-29H,31H-phthalocyaninedisulfonato(6-)-N29,N30,N31,N32]-, sodium  | 90459-36-2 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(6-), [4-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulfo]phenyl]azo]-4,5-dihydro-5-oxo-1-[[[trifluoro-29H,31H-phthalocyaninyl]sulfonyl]amino]phenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexasodium   | 93891-86-2 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(6-), [4-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulfo]phenyl]azo]-4,5-dihydro-5-oxo-1-[[[trifluoro-29H,31H-phthalocyaninyl]sulfonyl]amino]phenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexahydrogen   | 68698-80-6 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(6-), [C-[[[3-(4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[[2-sulfo-4-[[2,5,6-trichloro-4-pyrimidinyl]amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]azo]-4-sulfo]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-C,C,C-trisulfonato(8-)-N29,N30,N31,N32]-, pentapotassium hydrogen, (OC-6-21)- | 72453-55-5 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(6-), [[1,2-ethanediybis[nitrilotris(methylene)]]tetrakis(phosphonato)](8-)-, pentammonium hydrogen, (OC-6-21)-  | 68958-86-1 | D | FI |  |  |  |  |  | 10-Jan-2005 |
| Nickelate(6-), [[1,2-ethanediybis[nitrilotris(methylene)]]tetrakis(phosphonato)](8-)-, pentapotassium hydrogen, (OC-6-21)-  | 68958-87-2 | D | FI |  |  |  |  |  | 10-Jan-2005 |

|     |   |              |           |    |  |  |  |  |
|-----|---|--------------|-----------|----|--|--|--|--|
|     | Nickelate(6-), [[1,2-ethanediybis[nitriobis(methylene)]tetraakis(phosphonato)](8-)], pentasodium hydrogen,(OC-6-21)-                              | 68958-88-3   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Nickelate(8-), bis[3-[[2-amino-8-hydroxy-6-sulfo-1-naphthalenyl)azo]-2-hydroxy-5-sulfobenzato(5-)], hexasodium dihydrogen                         | 72139-08-3   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Nickelocene   | 1271-28-9    | D         | FI |  |  |  | 10-Jan-2005  |
|     | Octadecanoic acid, nickel(2+) salt  | 2223-95-2    | D         | FI |  |  |  | 10-Jan-2005  |
|     | Octanoic acid, nickel(2+) salt  | 4995-91-9    | D         | FI |  |  |  | 10-Jan-2005  |
|     | Oxalic acid, nickel salt  | 20543-06-0   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Perchloric acid, nickel(2+) salt, hexahydrate   | 13520-61-1   | D         | FA | California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act; implemented July 1, 2006. <a href="http://www.dtsc.ca.gov/HazardousWaste/Perchlorate">http://www.dtsc.ca.gov/HazardousWaste/Perchlorate</a> |  |  | 10-Jan-2005  |
|     | Phosphonic acid, [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-, monoethyl ester, nickel(2+) salt (2:1)                                    | 30947-30-9   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Phosphoric acid, calcium nickel salt  | 17169-61-8   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Phosphoric acid, nickel(2+) salt (2:3)  | 10381-36-9   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Potassium [N,N-bis(carboxymethyl)glycinato(3-N,O,O,O')]nickelate(1)   | 63640-18-6   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Rammelsbergite (NiAs2)  | 1303-22-6    | D         | FA |  |  |  | 10-Jan-2005  |
|     | Silicic acid (H2SiO3), nickel(2+) salt (4:3)  | 31748-25-1   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Spinels, cobalt nickel zinc grey  | 95046-47-2   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Sulfamic acid, nickel(2+) salt (2:1)  | 13770-99-3   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Sulfuric acid, ammonium nickel(2+) salt   | 7785-20-8    | D         | FI |  |  |  | 10-Jan-2005  |
|     | Sulfuric acid, nickel salt, reaction products with sulfurized calcium phenolate   | 72162-32-4   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Sulfuric acid, nickel(2+) salt (1:1), heptahydrate  | 10101-98-1   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Sulfuric acid, nickel(2+) salt (1:1), reaction products with nickel and nickel oxide (NiO)  | 68585-48-8   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Telluric acid (H2TeO3), nickel(2+) salt (1:1)   | 15851-52-2   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Telluric acid (H2TeO4), nickel(2+) salt (1:1)   | 15852-21-8   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Tetrahydrogen [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-)                   | 79102-62-8   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Tetrasodium [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-)                     | 93939-76-5   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Tetrasodium [bis[[[4-[[2-(sulphooxy)ethyl]sulphonyl]phenyl]amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-) | 97280-68-7   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Titanate(2-), hexafluoro-, nickel(2+), (1:1), (OC-6-11)-  | 34109-80-3   | D         | FI |  |  |  | 10-Jan-2005  |
|     | Trinickel bis(arsenate)   | 13477-70-8   | D         | FA |  |  |  | 10-Jan-2005  |
|     | Aluminummagnesiumnickeltitaniumboxid  | 19831-12-8   | D         | FI |  |  |  | 1-Feb-2009   |
|     | Antimony nickel titanium oxide yellow   | 8007-18-9    | D         | FI |  |  |  | 1-Feb-2009   |
|     | Iron nickel zinc oxide  | 12645-50-0   | D         | FI |  |  |  | 1-Feb-2009   |
|     | Nickel, [[2,2'-(1,2-phenylenebis(nitrilo-kappa.N)methylidene)]bis(phenolato-kappa.O)](2-)-  | 14406-71-4   | D         | FI |  |  |  | 1-Feb-2009   |
|     | 5,5-Azobis(2,4,6-pyrimidinetriol), nickel complex   | 68511-62-6   | D         | FI |  |  |  | 1-Feb-2009   |
|     | Chrome iron nickel black spinel   | 71631-15-7   | D         | FI |  |  |  | 1-Feb-2009   |
|     | Nickel niobium titanium yellow rutile   | 68511-43-8   | D         | FI |  |  |  | 1-Feb-2009   |
|     | Nickel phosphate  | 14396-43-1   | D         | FI |  |  |  | 1-Feb-2009   |
|     | Nickel sulfide  | 11113-75-0   | D         | FI |  |  |  | 1-Feb-2009   |
|     | Phosphoric acid,compounds,nickel(2+) zinc salt (2:1:2)  | 90053-13-7   | D         | FI |  |  |  | 1-Feb-2009   |
|     | Phosphoric acid,compounds,nickel(2+) zinc salt (2:1:2) tetrahydrate   | 501953-51-1  | D         | FI |  |  |  | 1-Feb-2009   |
|     | Reaction mass of melamine and nickel, 5,5'-azobis-2,4,6-tris(1H,3H,5H)-pyrimidinetrione complexes   | EC 939-379-0 | D         | FI |  |  |  | 1-Feb-2019   |
|     | Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.   | 102110-49-6  | D/P       | LR |  |  |  | 1-Feb-2014   |
|     | Silicic acid, lead nickel salt  | 68130-19-8   | D/P       | LR |  |  |  | 1-Feb-2014   |
| 716 | nickel bis(dihydrogen phosphate)  | 18718-11-1   | D / C     | FI | Kubota 2014/ Renault 2007  |  |  | Volvo 2012; Solvent; paint stripper, plasticizers, stabilizers   |
| 717 | nickel carbonate (dihydroxydinickel carbonate) [μ-carbonato(2-)-O...O] dihydroxy trinickel  | 65405-96-1   | D / C     | FI | Kubota 2014/ Renault 2007  |  |  |  |
| 718 | nickel carbonate / carbonic acid, nickel salt   | 16337-84-1   | D / C     | FI | Kubota 2014/ Renault 2007  |  |  |  |
| 719 | Nickel carbonate/ nickel monocarbonate  | 3333-67-3    | D / C     | FI | Kubota 2014/ Renault 2007  |  |  |  |
| 720 | nickel dichloride/ Nickel(II) chloride  | 7718-54-9    | D / C     | FI | Kubota 2014/ Renault 2007  |  |  |  |
| 721 | nickel dinitrate anhydrous; Nickel nitrate (2+ salt)  | 13138-45-9   | D / C     | FI | Kubota 2014/ Renault 2007  |  |  |  |
| 722 | Nickel or its compounds   | 7440-02-0    | D         | FI | Ford 2013/ Volvo 2015/ Renault 2007  |  |  | (Ford 2013): All products, except stainless steels/alloys containing metallic nickel; Volvo 2012: Surface treatment; Only applicable to component surface coating. According to EU directive 94/27/EG, exceeding the limit values for nickel release (0.5 µg nickel/cm2/week) European Standard EN 1810:1998 and EN 12472:1998.; Surface treatment, Welding electrodes, flame spraying, special materials, component in metals<br><br>Exceptions:<br>stainless steels and alloys containing metallic nickel; (Scania, 2010); Only applicable to component surface treatment exceeding the limit values for Nickel release (0.5 µg Nickel/cm2/week) Testmethods are EN 1811+A1:2008 och EN 12472:2005 |
| 723 | nickel peroxide/ Nickel dioxide   | 12035-36-8   | P / D / C | FI | Kubota 2014/ Renault 2007  |  |  |  |
| 724 | Nickel phosphate/ Phosphoric acid, nickel(2+) salt (2:3)  | 10381-36-9   | D / C     | FI | Kubota 2014/ Renault 2007  |  |  |  |
| 725 | nickel sulfide; trinickel disulfide; Nickel subsulfide  | 12035-72-2   | P / D / C | FI | Kubota 2014/ Renault 2007  |  |  |  |
| 726 | nickel(II) oxide (nickel monoxide)  | 1313-99-1    | P / D / C | FI | Kubota 2014/ Renault 2007  |  |  |  |

|     |  |   |           |       |  |  |  |  |
|-----|--|---|-----------|-------|--|--|--|--|
| 727 | <b>nickel(II) sulfate/ nickel sulfate</b>  | 7786-81-4   | P / D / C | FI    | Kubota 2014/ Renault 2007  |  | galvanoplasty  |  |
| 728 | <b>nitric acid, nickel salt</b>  | 14216-75-2  | D / C     | FI    | Kubota 2014/ Renault 2007  |  |  |  |
| 729 | <b>Nitrotriacetic acid (NTA) and salts</b>   | 139-13-9  | P / C     | FI    | Kubota 2014/ Renault 2007  |  | in anti-corrosion agents, aqueous cleaning agents, water miscible cooling lubricants and emulsion cleaners; Renault 2007: sequestering agent   |  |
| 730 | <b>Nitrites, all members</b>   |   | D/P       | FI/LR | Reg. (EC) No 1272/2008   |  | Additives in engine coolants, vulcanising agents in rubber products, anticorrosion surface additive. Reaction product precursor for potentially carcinogenic N-nitroso- compounds  | 10-Jan-2005                                    |
|     | <b>Ammonium nitrite</b>  | 13446-48-5  | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Amyl nitrite</b>  | 110-46-3  | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Barium nitrite hydrate</b>  | 115216-77-8   | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Butyl nitrite</b>   | 544-16-1  | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Cadmium dinitrite</b>   | 7790-83-2   | D/P       | FI/LR |  |  |  | 1-Feb-2014                                     |
|     | <b>Calcium nitrite</b>   | 13780-06-8  | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Calcium nitrite hydrated</b>  | 10031-34-2  | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Cobaltate(3-), hexakis(nitrito-N)-, tripotassium, (OC-6-1-1)-</b>                     | 13792-01-9  | D         | FI    |  |  |  | 1-Feb-2014                                     |
|     | <b>Cobaltate(3-), hexakis(nitrito-O)-, trisodium, (OC-6-1-1)-</b>                        | 14649-73-1  | D         | FI    |  |  |  | 1-Feb-2014                                     |
|     | <b>Ethyl nitrite</b>   | 109-95-5  | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Isobutyl nitrite</b>  | 542-56-3  | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Magnesium nitrite</b>   | 15070-34-5  | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Nickel nitrite</b>  | 17861-62-0  | D         | FI    | Reg. (EC) No 1907/2006   |  |  | 1-Feb-2010                                     |
|     | <b>Potassium nitrite</b>   | 7758-09-0   | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Silver nitrite</b>  | 7783-99-5   | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>Sodium nitrite</b>  | 7632-00-0   | D         | FI    |  |  |  | 10-Jan-2005                                    |
|     | <b>tert-Butyl nitrite</b>  | 540-80-7  | D         | FI    |  |  |  | 1-Feb-2009                                     |
|     | <b>Dicyclohexylammonium nitrite</b>  | 3129-91-7   | D         | FI    |  |  |  | 1-Feb-2009                                     |
|     | <b>Diethyldihexadecylammonium nitrite (C6L 7C)</b>                                       | 105841-28-9   | D         | FI    |  |  |  | 1-Feb-2009                                     |
|     | <b>Diisopropylammonium nitrite</b>   | 34915-40-7  | D         | FI    |  |  |  | 1-Feb-2009                                     |
|     | <b>Morpholin, Nitrite (9CI)</b>  | 62076-93-1  | D         | FI    |  |  |  | 1-Feb-2009                                     |
|     | <b>Nitrous acid, lead(2+) salt</b>   | 13826-65-8  | D/P       | FI/LR |  |  |  | 1-Feb-2014                                     |
|     | <b>Penyl nitrite</b>   | 463-04-7  | D         | FI    |  |  |  | 1-Feb-2009                                     |
|     | <b>Butan-2-yl nitrite</b>  | 924-43-6  | D         | FI    |  |  |  | 1-Feb-2009                                     |
|     | <b>Trisodium hexanitrocobaltate</b>  | 13600-98-1  | D         | FI    |  |  |  | 1-Feb-2014                                     |
| 731 | <b>Nitrobenzene</b>  | 98-95-3   | R         | FI    | Scania, Greylist, 20.02.2019   |  | Manufacture of other substances  | 17-Dec-2015                                    |
| 732 | <b>4-Nitrobiphenyl (4-Nitrodiphenyl)</b>   | 92-93-3   | P         | LR    | Ford 2013/ Volvo 2014/ Kubota 2014/ Renault 2007   |  |  | 10-Jan-2005                                    |
| 733 | <b>Nitrocellulose</b>  | 9004-70-0   | D         | FI    | Reg. (EC) No 1272/2008<br>Dir. 2007/23/EC  |  | Pyrotechnical compound   | 10-Jan-2005                                    |
| 734 | <b>N-methylacetamide</b>   | 79-16-3   | R         | FI    | Scania, Greylist, 20.02.2019   |  |  | 19-Dec-2012                                    |
| 735 | <b>N-Nitrosamines, selected</b>  |   | D/P       | FA    | Legally regulated according to German TRGS 552 limit for workplace air (value 1 µg/m <sup>3</sup> ), TRGS 615 limit for volatile corrosion inhibitors and TRGS 905 classified as carcinogenic class 1. Legally regulated for corrosion inhibition in papers, plastic films and oils via limiting the corresponding sec. amines to 0.5 %. |  | Polyurethane foams and corrosion inhibitors  | 10-Jan-2005                                    |
|     | <b>N-Nitroso diethanol amine</b>   | 1116-54-7   | D         | FA    |  |  | Rubbers (including synthetic rubbers); reaction and cleavage products from the polymerization system   | 10-Jan-2005                                    |
|     | <b>N-Nitroso diethyl amine (Ethanamine, N-ethyl-N-nitroso-)</b>                          | 55-18-5   | D         | FA    |  |  |  | 10-Jan-2005                                    |
|     | <b>Dimethylnitrosamine; N-nitrosodimethylamine Methanamine, N-methyl-N-nitroso-</b>      | 62-75-9   | P         | FA    | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005/41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 25   |  | Major releases of NDMA have been from the manufacture of pesticides, rubber tires, alkylamines, and dyes.  | Intentional addition prohibited<br>10-Jan-2005 |
|     | <b>N-Nitroso ethyl phenyl amine</b>  | 612-64-6  | D         | FA    |  |  |  | 10-Jan-2005                                    |
|     | <b>N-Nitroso methyl ethyl amine</b>  | 10595-95-6  | D         | FA    |  |  |  | 10-Jan-2005                                    |
|     | <b>N-Nitroso methyl phenyl amine</b>   | 614-00-6  | D         | FA    |  |  |  | 10-Jan-2005                                    |
|     | <b>N-Nitroso morpholine</b>  | 59-89-2   | D         | FA    |  |  |  | 10-Jan-2005                                    |
|     | <b>Morpholine, 4-nitroso-</b>  | 930-55-2  | D         | FA    |  |  |  | 10-Jan-2005                                    |
|     | <b>N-Nitroso pyrrolidine</b>   | 601-77-4  | D         | FA    |  |  |  | 10-Jan-2005                                    |
|     | <b>N-Nitrosodi-l-propyl amine</b>  | 924-16-3  | D         | FA    |  |  |  | 10-Jan-2005                                    |
|     | <b>N-Nitrosodi-n-butylamine (1-Butanamine, N-butyl-N-nitroso-)</b>                       | 621-64-7  | D         | FA    |  |  |  | 1-Feb-2006                                     |
|     | <b>N-Nitrosodi-n-propyl amine</b>  | 100-75-4  | D         | FA    |  |  |  | 10-Jan-2005                                    |
|     | <b>N-Nitrosopiperidine</b>   | 55-18-5   | P         | FI    |  |  |  | 10-Jan-2005                                    |
| 736 | <b>N-Nitroso diethyl amine</b>   | 55-18-5   | P         | FI    | Renault 2007   |  |  | 10-Jan-2005                                    |
| 737 | <b>N-Nitroso morpholine</b>  | 59-89-2   | P         | FI    | Renault 2007   |  |  |  |
| 738 | <b>N-Nitroso pyrrolidine</b>   | 930-55-2  | P / C     | FI    | Kubota 2014/ Renault 2007  |  |  |  |
| 739 | <b>N-Nitrosodi-l-propyl amine</b>  | 601-77-4  | P / C     | FI    | Renault 2007   |  |  |  |
| 740 | <b>N-Nitrosodi-n-butylamine</b>  | 924-16-3  | P / C     | FI    | Kubota 2014/ Renault 2007  |  |  |  |
| 741 | <b>N-Nitrosodi-n-propyl amine/ nitrosodipropylamine</b>                                  | 621-64-7  | P / C     | FI    | Renault 2007   |  | See prohibited exposures and exceptions ref. TRGS 552, Renault 2007: Gum, rubber   |  |
| 742 | <b>Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts</b>              | 335-76-2,<br>3830-45-3,<br>3108-42-7                            | R, PBT    | FI    | Scania, Greylist, 20.02.2019   |  | Lubricant, wetting agent, plasticiser and corrosion inhibitor  | 12-Jan-2017                                    |
| 743 | <b>Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts, all members</b> |   | D         | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  | 1-Feb-2018                                     |
|     | <b>Nonadecafluorodecanoic acid (PFDA)</b>  | 335-76-2  | D         | LR    |  |  | Lubricant, plasticizer   | 1-Feb-2018                                     |
|     | <b>Nonadecafluorodecanoic acid, sodium salt</b>  | 3830-45-3   | D         | LR    |  |  | Lubricant, plasticizer   | 1-Feb-2018                                     |
|     | <b>Nonadecafluorodecanoic acid, ammonium salt</b>  | 3108-42-7   | D         | LR    |  |  | Lubricant, plasticizer   | 1-Feb-2018                                     |
| 744 | <b>Nonylphenol</b>   | 25154-52-3 84852-15-3;<br>9014-90-8<br>27193-28-8<br>and others | P         | FI    | Ford 2013 /Renault 2007  |  | (Ford 2013): Detergent (surfactants), cleaners, metal working products, Cooling Tower Chemicals, and WWTP (b) chemicals, and any products added to waters that enter surface waters, cooling tower, and/or WWTP; Detergent and cleaner products (including those used for metal and other surface treatment); Surfactants, leather processing except those approved by Ford Toxicology prior to 31. January, 2001 for internal use in non-dimensional products |  |
| 745 | <b>Nonylphenol + isomers</b>   | 25154-52-3, 84852-15-3  | E         |       | Scania, Blacklist, 20.02.2019  |  | Used ethoxylated   | 24-Feb-1998                                    |

|     |  |  |       |       |   |          |                                 |  |  |             |
|-----|--|--|-------|-------|---|----------|---------------------------------|--|--|-------------|
| 746 | Nonylphenol ethoxylates, all members   |  | D     | FIL/R | Reg. (EC) No 1907/2006 (REACH)  |          |                                 | Surfactants, leather processing  |  | 10-Jan-2005 |
|     | 2-(2-(4-Nonylphenoxy)ethoxy)ethanol  | 20427-84-3                                     | D     | FIL/R | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 1-Feb-2016  |
|     | 20-(4-Nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol                                | 27942-27-4                                     | D     | FIL/R | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 1-Feb-2016  |
|     | 4-(4-Nonylphenoxy)-3,6,9,12-tetraoxadecan-1-ol                                       | 156609-10-8                                    | D     | FIL/R | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 1-Feb-2016  |
|     | 14-(Nonylphenoxy)-3,6,9,12-tetraoxadecan-1-ol  | 26284-02-8                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | 3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(nonylphenoxy)-                    | 27177-08-8                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | 3,6,9,12,15,18,21,24-Octaoxahectacosan-1-ol, 26-(nonylphenoxy)-                      | 26571-11-9                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | 3,6,9,12,15,18,21-Heptaotricosan-1-ol, 23-(nonylphenoxy)-                            | 27177-05-5                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | Decaethylene glycol, isononylphenyl ether  | 85455-72-3                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | Ethanol, 2-[2-(4-nonylphenoxy)ethoxy]ethoxy-   | 27176-93-8                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | Ethanol, 2-[2-(2-(4-nonylphenoxy)ethoxy)ethoxy]ethoxy-                               | 7311-27-5                                      | D     | LR    | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 10-Jan-2005 |
|     | Ethylene oxide-Nonylphenol polymer   | 9016-45-9                                      | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | Nonaethylene glycol p-nonylphenyl ether; NONOXYNOL 9                                 | 14409-72-4                                     | D     | LR    | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 1-Feb-2019  |
|     | Nonylphenol polyethylene glycol ether  | 20636-48-0                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | Nonylphenol polyethylene glycol ether  | 27177-01-1                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy                        | 27942-26-3                                     | D     | LR    | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 1-Feb-2012  |
|     | Poly(oxy-1,2-ethanediyl), alpha-(1-oxo-2-propenyl)-omega-(nonylphenoxy)-             | 50974-47-5                                     | D     | FI    |   |          |                                 |  |  | 1-Feb-2012  |
|     | Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-phosphate                | 5181-179-1                                     | D     | FI    |   |          |                                 |  |  | 1-Feb-2012  |
|     | Nonylphenylpolyoxyethylene sulfosuccinate  | 54612-36-1                                     | D     | FI    |   |          |                                 |  |  | 1-Feb-2012  |
|     | Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched, phosphates   | 68412-53-3                                     | D     | FI    |   |          |                                 |  |  | 1-Feb-2012  |
|     | Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(nonylphenoxy)-, branched, ammonium salt | 68649-55-8                                     | D     | FI    |   |          |                                 |  |  | 1-Feb-2012  |
|     | Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-(sulfooxy)-, sodium salt         | 9014-90-8                                      | D     | FI    |   |          |                                 |  |  | 1-Feb-2012  |
|     | Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(nonylphenoxy)-, ammonium salt           | 9051-57-4                                      | D     | FI    |   |          |                                 |  |  | 1-Feb-2012  |
|     | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-                       | 26027-38-3                                     | D     | LR    | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 10-Jan-2005 |
|     | Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched               | 68412-54-4                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched             | 127087-87-0                                    | D     | LR    | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 10-Jan-2005 |
|     | Poly(oxy-1,2-ethanediyl), alpha-(2-nonylphenyl)-omega-hydroxy-                       | 51938-25-1                                     | D     | FI    |   |          |                                 |  |  | 10-Jan-2005 |
|     | Poly(oxy-1,2-ethanediyl), alpha-(isononylphenyl)-omega-hydroxy-                      | 37205-87-1                                     | D     | LR    | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 10-Jan-2005 |
|     | Ethanol, 2-(4-nonylphenoxy)-   | 104-35-8                                       | D     | FIL/R | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 1-Feb-2016  |
|     | p-Nonylphenol hexaethoxylate   | 34166-38-6                                     | D     | FIL/R | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 1-Feb-2016  |
| 747 | Nonylphenoxyethoxylates (branched/linear)  | 9016-45-9, 127087-87-0, 68412-54-4, 26027-38-3 | E     |       | Scania, Blacklist, 20.02.2019   |          |                                 | Cleaning agent   |  | 24-Feb-1998 |
| 748 | N-pentyl-isopentylphthalate  | 776297-69-9                                    | R     | FI    | Scania, Greylist, 20.02.2019  |          |                                 |  |  | 19-Dec-2012 |
| 749 | O,O,O-triphenyl phosphorothioate   | 597-82-0                                       | D     | FI    | Included in list of substances under REACH PACT assessment  |          |                                 | Leather, electronics For a lubricant, grease, oil pressure liquid  |  | 1-Feb-2018  |
| 750 | o,p'-DDT   | 789-02-6                                       | P     | FI    | Renault 2007  |          |                                 |  |  |             |
| 751 | o,p'-DDD   | 53-18-0  | P     | FI    | Renault 2007  |          |                                 |  |  |             |
| 752 | o,p'-DDE   | 3424-82-6                                      | P     | FI    | Renault 2007  |          |                                 |  |  |             |
| 753 | o-aminocetoluen  | 97-56-3  | C     | FI    | Scania, Greylist, 20.02.2019  |          |                                 | Textile  |  | 19-Dec-2012 |
| 754 | o-Anisidine  | 90-04-0  | P / C | FI    | Kubota 2014/ Renault 2007   |          |                                 | Azo dyes synthesis   |  |             |
| 755 | o-cresol   | 95-48-7  | M     |       | Renault 2007  |          |                                 |  |  |             |
| 756 | octabrombiphenyl   | 27858-07-7                                     | D / R |       | Kubota 2014/ Renault 2007   |          |                                 | Renault 2007: flame retardant for plastics, rubbers, textiles and electronics  |  |             |
| 757 | Octadecanamine   | 124-30-1                                       | D     | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |          |                                 |  |  | 1-Feb-2017  |
| 758 | Octamethylcyclotetrasiloxane   | 556-67-2                                       | D     | FI    | Included in list of substances under REACH PACT assessment  |          |                                 | Softener, elastomers, rubber   |  | 1-Feb-2018  |
| 759 | Octamethyltrisiloxane  | 107-51-7                                       | D     | FI    | Included in list of substances under REACH PACT assessment  |          |                                 | Adhesives, sealants, Lacquers  |  | 1-Feb-2017  |
| 760 | Octylphenoxyethoxylates  | 9063-89-2, 9036-19-5                           | E     |       | Scania, Blacklist, 20.02.2019; Ford 2013/ Kubota 2014/ Renault 2007   |          |                                 | Cleaning agent   |  | 24-Feb-1998 |
| 761 | o-dichlorobenzene  | 95-50-1  | D     |       | Kubota 2014/ Renault 2007   |          |                                 | manufacturing of dyes, pesticides and pharmaceutical products, solvent   |  |             |
| 762 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol       |  | D     | FI    | Included in list of substances under REACH PACT assessment  |          |                                 | Additive for rubber  |  | 1-Feb-2018  |
| 763 | Orange lead (lead tetroxide)   | 1314-41-6                                      | R     | FI    | Scania, Greylist, 20.02.2019  |          |                                 | Lead batteries, glass and ceramics, rubber and plastic products  |  | 19-Dec-2012 |
| 764 | o-Toluidine generating substances, selected  |  | D     | FI    |   |          |                                 |  |  | 1-Feb-2008  |
|     | 1,2-Di-o-tolylguanidine, DOTG  | 97-39-2  | D     | FI    | DOTG is a non-regulated, FDA compliant substance for food contact but also a possible source of o-Toluidine in rubber products. Listed to identify products to evaluate for possible o-Toluidine formation. <i>Temporary listing.</i> |          |                                 | Accelerator in vulcanization processes. Found in many different automobile parts like tubes, o-rings and other kind of rubber parts. Used in natural and synthetic rubber, SBR and Chloroprene rubber. | 1,50%  | 1-Feb-2008  |
| 765 | o-xylene   | 95-47-6  | M     | FI    |   |          |                                 | Renault 2007: solvent  |  |             |
| 766 | Ozone depleting halogenated Hydrocarbons and Carbons, all members                    |  | P     | LR    | Reg. (EEC) No 594/91; Reg. (EC) No 1005/2009; Montreal Protocol; US EPA Class 1 ODS   |          |                                 |  | Any intentionally added content must be reported | 1-Feb-2016  |
|     | 1,1,1,2-Tetrachlor-2,2-difluoroethane  | 76-11-9  | P     | LR    |   |          |                                 |  |  | 1-Feb-2009  |
|     | 1,1,1,3,3,3-Hexachlor-2,2-difluoropropane  | 3182-26-1                                      | P     | LR    |   |          |                                 |  |  | 1-Feb-2009  |
|     | 1,1,1,3,3,3-Pentachlor-2,2-trifluoropropane  | 2354-06-5                                      | P     | LR    |   |          |                                 |  |  | 1-Feb-2009  |
|     | 1,1,1,3-Tetrachlorotetrafluoroethane   | 2268-46-4                                      | P     | LR    |   |          |                                 |  |  | 1-Feb-2009  |
|     | 1,1,1,1-Tribromo-2,2-trifluoroethane   | 354-48-3                                       | P     | LR    |   |          |                                 |  |  | 10-Jan-2005 |
|     | 1,1,1-Trichloropentafluoroethane   | 4259-43-2                                      | P     | LR    |   |          |                                 |  |  | 1-Feb-2009  |
|     | 1,1,2-trichloro-1,2,2-trifluoroethane  | 76-13-1  | P     | LR    |   |          |                                 |  |  |             |
|     | 1,1-Dibromo-1,2,2,2-tetrafluoroethane  | 27336-23-8                                     | P     | LR    |   |          |                                 |  |  | 10-Jan-2005 |
|     | 1,1-Dibromo-2,2-difluoroethylene   | 430-85-3                                       | P     | LR    |   |          |                                 |  |  | 10-Jan-2005 |
|     | 1,1-Dichlor-1,2,2,2-tetrafluoroethane  | 374-07-2                                       | P     | LR    |   |          |                                 |  |  | 1-Feb-2009  |

|     |   |             |        |    |  |  |  |  |                                 |             |
|-----|---|-------------|--------|----|--|--|--|--|---------------------------------|-------------|
|     | 1,2,2-Trichloropentafluoropropane   | 1599-41-3   | P      | LR |  |  |  |  |                                 |             |
|     | 1,2,3-Trichloropentafluoropropane   | 76-17-5     | P      | LR |  |  |  |  |                                 | 1-Feb-2012  |
|     | 1,2-Dibromo-1,1,2-trichloroethane   | 13749-38-7  | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | 1,2-Dibromo-1-chloro-1,2,2-trifluoroethane  | 354-51-8    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | 1,2-Dibromotetrachloroethane  | 630-25-1    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | 1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane  | 661-97-2    | P      | LR |  |  |  |  |                                 |             |
|     | 1,2-Dichloro-1,1,3,3,3-pentafluoropropane   | 127564-92-5 | P      | LR |  |  |  |  |                                 | 1-Feb-2009  |
|     | 1,2-Difluorotetrachloroethane   | 76-12-0     | P      | LR |  |  |  |  |                                 |             |
|     | 1-Bromo-1-chloro-2,2-difluoroethylene   | 758-24-7    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | 2-Bromo-1,1-dichloroethylene  | 5870-61-1   | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Bromochlorodifluoromethane  | 353-59-3    | P      | LR |  |  |  |  |                                 |             |
|     | Bromodichlorofluoromethane  | 353-58-2    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Bromofluoromethane  | 373-52-4    | P      | LR |  |  |  |  |                                 |             |
|     | Bromopentafluoroethane  | 354-55-2    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Bromotrifluoroethylene  | 598-73-2    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Bromotrifluoromethane   | 75-63-8     | P      | LR |  |  |  |  |                                 |             |
|     | Carbon tetrabromide   | 558-13-4    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Carbon tetrachloride  | 56-23-5     | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Chlorobromomethane  | 74-97-5     | P      | LR |  |  |  |  |                                 |             |
|     | Chlorobromotrifluoroethane  | 74925-63-6  | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Chlorodibromomethane  | 124-48-1    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | chlorotrifluoroethylene   | 79-38-9     | P      | LR |  |  |  |  |                                 | 1-Feb-2009  |
|     | Chlorotrifluoromethane  | 75-72-9     | P      | LR |  |  |  |  |                                 |             |
|     | Cryofluorane  | 76-14-2     | P      | LR |  |  |  |  |                                 | 1-Feb-2009  |
|     | Dibromodichloromethane  | 594-18-3    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Dibromodifluoromethane  | 75-61-6     | P      | LR |  |  |  |  |                                 | 1-Feb-2010  |
|     | Dibromotetrafluoroethane  | 25497-30-7  | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Dibromotetrafluoroethane (Halon 2402)   | 124-73-2    | P      | LR |  |  |  |  |                                 |             |
|     | Dichlorodifluoromethane   | 75-71-8     | P      | LR |  |  |  |  |                                 |             |
|     | dichlorotetrafluoroethane   | 1320-37-2   | P      | LR |  |  |  |  |                                 |             |
|     | Ethane, 1-bromo-2-chloro-1,1,2-trifluoro-   | 354-06-3    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Ethane, 2-bromo-1-chloro-1,1,2-trifluoro-   | 354-20-1    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Ethane, 2-bromo-2-chloro-1,1,1-trifluoro-, (R)-                                     | 51230-17-2  | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Ethane, 2-bromo-2-chloro-1,1,1-trifluoro-, (S)-                                     | 51230-18-3  | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Ethane, tribromo-   | 598-16-3    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Ethane, tetrabromo-   | 79-28-7     | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Heptachlorofluoropropane  | 135401-87-5 | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Heptachlorofluoropropane  | 422-78-6    | P      | LR |  |  |  |  |                                 | 1-Feb-2009  |
|     | Heptafluoropropyl chloride  | 422-96-6    | P      | LR |  |  |  |  |                                 |             |
|     | Hexachlorodifluoropropane   | 134452-44-1 | P      | LR |  |  |  |  |                                 |             |
|     | Hexachloroethane  | 67-72-1     | P      | LR |  |  |  |  |                                 | 1-Feb-2013  |
|     | Methane, bromotrichloro-  | 75-62-7     | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Methane, tribromofluoro-  | 353-54-8    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Methyl bromide (Bromomethane)   | 74-83-9     | P      | LR |  |  |  |  |                                 |             |
|     | Monochloropentafluoroethane   | 76-15-3     | P      | LR |  |  |  |  |                                 |             |
|     | Pentabromoethane  | 75-95-6     | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Pentachlorofluoroethane   | 354-56-3    | P      | LR |  |  |  |  |                                 |             |
|     | Pentachlorotrifluoropropane   | 134237-31-3 | P      | LR |  |  |  |  |                                 |             |
|     | Tetrachlorotetrafluoropropane   | 29255-31-0  | P      | LR |  |  |  |  |                                 |             |
|     | Tribromochloromethane   | 594-15-0    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Trichlorofluoromethane  | 75-69-4     | P      | LR |  |  |  |  |                                 |             |
|     | Trichlorotrifluoroethane  | 26523-64-8  | P      | LR |  |  |  |  |                                 | 1-Feb-2009  |
|     | Trichlorotrifluoroethane  | 354-58-5    | P      | LR |  |  |  |  |                                 | 1-Feb-2009  |
| 767 | p-(1,1-dimethylpropyl)phenol  | 80-46-6     | R      | FI | Scania, Greylist, 20.02.2019   |  |  | Manufacture of chemicals and plastic products                            |                                 | 12-Jan-2017 |
| 768 | Paraquat  | 4685-14-7   | D      | FI | Renault 2007   |  |  |  |                                 |             |
| 769 | parathion   | 56-39-2     | D      | FI | Renault 2007   |  |  |  |                                 |             |
| 770 | p-Cresidine   | 120-71-8    | P/C    | FI | Kubota 2014; Renault 2007  |  |  | Azo dyes synthesis, vulcanization accelerator                            |                                 |             |
| 771 | p-dichlorobenzene/ 1,4-Dichlorobenzene  | 106-46-7    | D/C    | FI | Kubota 2014; Renault 2007  |  |  | deodorant, insecticide   |                                 |             |
| 772 | penconazole   | 66246-88-6  | M      | FI | Renault 2007   |  |  |  |                                 |             |
| 773 | Pentachlorobenzene  | 608-93-5    | P      | LR | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24             |  |  | Flame retardant  | Any intentionally added content | 1-Feb-2008  |
| 774 | Pentachlorophenol (PCP) and its salts and esters, all members                       |             | P      | LR | Reg. (EC) No 1272/2008 Reg. (EC) No 552/2009 Japan Chemical Substance Control Law [Class II]   |  |  | Wood preservative, salts used in leather treatment, stabilizer for latex | 5ppm                            | 10-Jan-2005 |
| 775 | Methyl(pentachlorophenolato)mercury   | 5902-76-1   | P      | LR |  |  |  |  |                                 | 1-Feb-2017  |
| 776 | Pentachlorophenol   | 87-86-5     | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
| 777 | Potassium pentachlorophenate (Phenol, 2,3,4,5,6-pentachloro-, potassium salt (1:1)) | 7778-73-6   | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
| 778 | Sodium Pentachlorophenate Phenol, 2,3,4,5,6-pentachloro-, sodium salt (1:1)         | 131-52-2    | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
| 779 | Zinc bis(pentachlorophenolate)  | 2917-32-0   | P      | LR |  |  |  |  |                                 | 10-Jan-2005 |
| 780 | Pentacosfluorotridecanoic acid  | 72629-94-8  | vPvB   | FI | Scania, Greylist, 20.02.2019   |  |  |  |                                 | 19-Dec-2012 |
| 781 | Pentadecafluorooctanoic acid (PFOA)   | 335-67-1    | R, PBT | FI | Scania, Greylist, 20.02.2019   |  |  | Textiles, carpets, furniture upholstery, paper                           |                                 | 19-Dec-2012 |
| 782 | Pentalead tetraoxide sulphate   | 12065-90-6  | R      | FI | Scania, Greylist, 20.02.2019   |  |  | Plastic products, Lead batteries   |                                 | 19-Dec-2012 |
| 783 | peracetic acid  | 79-21-0     | D      | FI | Renault 2007   |  |  |  |                                 |             |
| 784 | Perchlorates, all members   |             | D/P    | FA | California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act, implemented July 1, 2006. http://www.dsc.ca.gov/HazardousWaste/Perchlorate/ |  |  | Pyrotechnical compound   |                                 | 10-Jan-2005 |
|     | Ammonium perchlorate  | 7790-98-9   | D      | FA |  |  |  |  |                                 | 10-Jan-2005 |
|     | Barium perchlorate  | 13465-95-7  | D      | FA |  |  |  |  |                                 | 10-Jan-2005 |
|     | Lead perchlorate  | 13637-76-8  | D/P    | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Lithium Perchlorate   | 7791-03-9   | D      | FA |  |  |  |  |                                 | 1-Feb-2007  |
|     | Magnesium Perchlorate   | 10934-81-8  | D      | FA |  |  |  |  |                                 | 1-Feb-2007  |
|     | Perchloric acid, reaction products with lead oxide (pbO) and triethanolamine        | 99749-31-2  | D/P    | LR |  |  |  |  |                                 | 10-Jan-2005 |
|     | Perchloric acid, cobalt (2+) salt   | 13455-31-7  | D      | FA |  |  |  |  |                                 | 10-Jan-2005 |
|     | Perchloric acid, mercury(2+) salt   | 7616-83-3   | D/P    | LR |  |  |  |  |                                 | 10-Jan-2005 |

|     |   |                                 |        |    |  |  |  |   |  |
|-----|---|---------------------------------|--------|----|--|--|--|---|--|
|     | Perchloric acid, nickel(2+) salt, hexahydrate   | 13520-61-1                      | D      | FA |  |  |  |   | 10-Jan-2005  |
|     | Nickel perchlorate  | 13637-71-3                      | D      | FA |  |  |  |   | 10-Jan-2005  |
|     | Potassium Perchlorate   | 7778-74-7                       | D      | FA |  |  |  |   | 1-Feb-2007   |
|     | Sodium Perchlorate  | 7601-89-0                       | D      | FA |  |  |  |   | 1-Feb-2007   |
|     | Thallium(3+) perchlorate  | 15596-83-5                      | D      | FA |  |  |  |   | 10-Jan-2005  |
| 785 | Perfluoroalkyl compounds, includes: Perfluoroalkyl sulfonates (e.g. PFOS perfluorooctylsulfonates),   |                                 | D      | FI | Bosch 2009   |  |  | Bosch 2012: Prohibition to use, exceptions see regulation, elastomers, impregnation textiles, chromium plating, lithography, fire fighting foam, hydraulic fluids; / Stain-repellant surface coating for textiles, firefighting foam, Surface coatings; (3.9.08) Ford; all products: Bosch, 2010. Elastomers, impregnation of textiles, carpets and paper; chrome-plating, photography, fire-fighting foams, hydraulic fluids. (Scania, 2010): Impregnation |  |
| 786 | Perfluorocarbene (PFC's gaseous)  |                                 | D      | FI | Renault 2007   |  |  | for hermal closed systems   |  |
| 787 | Perfluorohexane-1-sulphonic acid and its salts, all members   |                                 | D      | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  | Water- and stain-repellant coating for carpets, paper, and textiles; firefighting foam  | 1-Feb-2018   |
|     | Perfluorohexane-1-sulphonic acid  | 355-46-4                        | D      | LR |  |  |  | Potential substitute for PFOA   | 1-Feb-2018   |
|     | Perfluorohexane-1-sulphonic acid, ammonium salt   | 68259-08-5                      | D      | LR |  |  |  | Potential substitute for PFOA   | 1-Feb-2018   |
|     | Perfluorohexane-1-sulphonic acid, potassium salt  | 3871-99-6                       | D      | LR |  |  |  | Potential substitute for PFOA   | 1-Feb-2018   |
| 788 | Perfluorononan-1-ol-acid and its sodium and ammonium salts  | 375-95-1, 21049-39-8, 4149-60-4 | R, PBT | FI | Scania, Greylist, 20.02.2019   |  |  | Processing aid for fluoropolymer manufacture/lubricating oil additive/surfactant for fire extinguishers/cleaning agent/textile antifouling finishing agent/polishing surfactant/waterproofing agents and in liquid crystal display panels   | 17-Dec-2015  |
| 789 | Perfluorooctane sulfonates C8F17SO2X (X = OH, Metal salt, halide, amide, and other derivatives including polymers) (PFOS), all members  |                                 | P      | LR | Reg. (EC) No 552/2009, Dir. 2006/122EC<br>Canadian Environmental Protection Act, 1999 - Regulations Amending the Prohibition of Certain Toxic Substances<br>Regulations, 2012<br>US EPA - SNUR: § 721.9582 Certain perfluoroalkyl sulfonates<br>Stockholm Convention, Annex B<br>Japan Chemical Substances Control Law [Class I] |  |  | Surface coatings, Surfactants, Ingredient in the textile protective treatment. May not be placed on the market or used as a substance or constituent of preparations or in products or parts.   | 10-Jan-2005  |
|     | Perfluorooctane sulfonate acid  | 1763-23-1                       | P      | LR | Japan Chemical Substances Control Law [Class I]  |  |  |   | 1-Feb-2008   |
|     | Perfluorooctane sulfonate anion   | 45298-90-6                      | P      | LR |  |  |  |   | 1-Feb-2008   |
|     | Perfluoro-1-octanesulfonyl fluoride   | 307-35-7                        | P      | LR | Japan Chemical Substances Control Law [Class I]  |  |  |   | 1-Feb-2011   |
|     | 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl]perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride  | 306975-62-2                     | P      | LR |  |  |  |   | 10-Jan-2005  |
|     | Glycine, N-ethyl-N-((heptadecafluoroctyl)sulfonyl)-, potassium salt   | 2991-51-7                       | P      | LR |  |  |  |   | 10-Jan-2005  |
|     | Perfluorooctane sulfonate potassium salt  | 2795-39-3                       | P      | LR | Japan Chemical Substances Control Law [Class I]  |  |  |   | 1-Feb-2008   |
|     | Perfluorooctane sulfonate ammonium salt   | 29081-56-9                      | P      | LR | Japan Chemical Substances Control Law [Class I]  |  |  |   | 1-Feb-2008   |
|     | Perfluorooctane sulfonate lithium salt  | 29457-72-5                      | P      | LR | Japan Chemical Substances Control Law [Class I]  |  |  |   | 1-Feb-2008   |
|     | Tetraethylammoniumheptadecafluorooctansulfonate   | 56773-42-3                      | P      | LR | Japan Chemical Substances Control Law [Class I]  |  |  |   | 1-Feb-2008   |
|     | permethrin/ 3-Phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate   | 52845-53-1                      | D / C  | FI | Renault 2007   |  |  | biocide   |  |
|     | PFNA, Perfluorononan-1-ol-acid and its sodium and ammonium salts  |                                 | D      | LR | Substance group was added to REACH Candidate List in December 2015 --> immediate duty for reporting<br>Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |   | 1-Feb-2017   |
|     | Ammonium salts of perfluorononan-1-ol-acid  | 4149-60-4                       | D      | LR |  |  |  |   | 1-Feb-2017   |
|     | Perfluorononan-1-ol-acid  | 375-95-1                        | D      | LR |  |  |  |   | 1-Feb-2017   |
|     | Sodium salts of perfluorononan-1-ol-acid  | 21049-39-8                      | D      | LR |  |  |  |   | 1-Feb-2017   |
|     | PFOA, Perfluorooctanoic acids C8F15O2H, its salts, esters, higher homologues and precursors, all members  |                                 | D/P    | LR | EU REACH Annex XVII (Restriction with 04.07.2020);<br>Regulation in USA (TSCA Section 5(a), SNUR); Canada (CEPA 1999, Prohibition of Certain Toxic Substances Regulations, 2012 (SOR/2012-285) – prohibited since 01.01.2017; Norway (FOR-2004-06-01-922); plannend Stockholm Convention of Persistent Organic Pollutants (POP)  |  |  | Fluoropolymers are used to make automotive components, including fuel hoses, gaskets, wire insulations, bearings. PFOA is used as a polymerization aid and it is not expected to be present at greater than trace levels in the components made from fluoropolymers   | For Norway P at 1µg/m in textiles, carpets and coated products; 0.1% in all other products. REACH Annex XVII: 25 ppb PFOA and its salts, 1000 ppb of one or a combination of PFOA-related substances. D at 0.1% elsewhere. |
|     | Ammonium salt of PFOA   | 3825-26-1                       | P      | LR | For all PFOA entries: Classification P specific only to Norway   |  |  |   | 1-Feb-2008   |
|     | Cyclotetrasiloxane, 2-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoroundecyl)-2,4,6,8-tetramethyl-, Si-[3-(oxtranyl)methoxy]propyl] derivs  | 206886-57-9                     | D      | LR |  |  |  |   | 1-Feb-2018   |
|     | Ethylperfluorooctanoate   | 3108-24-5                       | P      | LR | Classification D valid for the rest of the world   |  |  |   | 1-Feb-2016   |
|     | Methylperfluorooctanoate  | 376-27-2                        | P      | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  |   | 1-Feb-2016   |
|     | Pentadecafluorooctyl fluoride   | 335-68-0                        | P      | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  |   | 1-Feb-2016   |
|     | Perfluoro compounds, C5-18  | 86508-42-1                      | D      | LR |  |  |  |   | 1-Feb-2018   |
|     | Poly(oxy-1,2-ethanediyl), alpha-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)-omega-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)oxy]-   | 122402-79-3                     | D      | LR |  |  |  |   | 1-Feb-2018   |
|     | Potassium salt of PFOA  | 2395-00-8                       | P      | LR |  |  |  |   | 1-Feb-2008   |
|     | 2-Propenoic acid, C16-18-alkyl esters, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoroethyl acrylate   | 160336-09-4                     | D      | LR |  |  |  |   | 1-Feb-2018   |
|     | 2-Propenoic acid, 2-methyl-, methyl ester, telomere with 1-dodecanethiol, 2-ethylhexyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoroethyl 2-propenoate and 2-Propenoic acid  | 321318-71-2                     | D      | LR |  |  |  |   | 1-Feb-2018   |
|     | Siloxanes and Silicones, di-Me, mono-3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl group] terminated, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol- and 2-hydroxyethyl acrylate-blocked 2,4-TDI-trimethylolpropane polymer | 501098-09-5                     | D      | LR |  |  |  |   | 1-Feb-2018   |
|     | Silver salt of PFOA   | 335-93-3                        | P      | LR |  |  |  |   | 1-Feb-2008   |
|     | Sodium salt of PFOA   | 335-95-5                        | P      | LR |  |  |  |   | 1-Feb-2008   |

|  |  |              |   |    |   |  |  |  |  |            |
|--|--|--------------|---|----|---|--|--|--|--|------------|
|  | Trisiloxane, 3,3'-(3,3,4,4,5,5,6,6,7,7,8,8-dodecafluoro-1,10-decanediyl)bis[3-((dimethylsilyl)oxy)-1,1,5,5-tetramethyl-, reaction products with 4,4,5,5,6,6,7,7,8,8,9,10,10,11,11-heptafluoro-1-undecene | 185701-89-7  | D | LR |   |  |  |  |  | 1-Feb-2018 |
|  | PFOA - perfluorooctanoic acid  | 335-67-1     | P | LR |   |  |  |  |  | 1-Feb-2008 |
|  | Perfluorooctanoate (conjugate base of the free acid)   | 45285-51-6   | D | FA | These substances could potentially be added to the Stockholm Convention's Persistent Organic Pollutants List as early as Spring 2019. |  |  |  |  | 1-Feb-2019 |
|  | PFOA isomers   |              | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Branched perfluorooctanoic acid  | 90480-55-0   | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,2,3,4,4,5,5,6,6,6-nonafluoro-3,4-bis(trifluoromethyl)-  | 1882109-81-0 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-nonafluoro-2,5-bis(trifluoromethyl)-  | 1882109-80-9 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,2,3,3,4,4,5,5,6,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)-  | 1882109-79-6 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,2,3,3,4,4,5,5,6,6,6-decafluoro-3-(1,1,2,2,2-pentafluoroethyl)-  | 1882109-78-5 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-(1,1,2,2,3,3,3-heptafluoropropyl)-  | 1882109-77-4 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-   | 1882109-76-3 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,2,3,5,5,5-hexafluoro-3,4,4-tris(trifluoromethyl)-  | 1882109-75-2 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,2,4,5,5,5-hexafluoro-3,3,4-tris(trifluoromethyl)-  | 1882109-74-1 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,3,3,5,5,5-hexafluoro-2,4,4-tris(trifluoromethyl)-  | 1882109-73-0 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,3,4,5,5,5-hexafluoro-2,3,4-tris(trifluoromethyl)-  | 1882109-72-9 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,4,4,5,5,5-hexafluoro-2,3,3-tris(trifluoromethyl)-  | 1882109-71-8 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 3,3,4,5,5,5-hexafluoro-2,2,4-tris(trifluoromethyl)-  | 1882109-70-7 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,2,3,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-  | 1882109-68-3 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,2,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-  | 1882109-67-2 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-  | 1882109-66-1 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,3,3,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-  | 1882109-65-0 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-  | 1882109-64-9 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 3,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-  | 1882109-63-8 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Pentanoic acid, 3,4,4,5,5,5-hexafluoro-2,2,3-(trifluoromethyl)-  | 1882109-69-4 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Butanoic acid, 4,4,4-trifluoro-2,2,3,3-tetrakis(trifluoromethyl)-  | 1882109-62-7 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Butanoic acid, 2,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-2-(trifluoromethyl)-   | 1882109-61-6 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Butanoic acid, 2,3,3,4,4,4-hexafluoro-2-[2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl]-   | 1882109-60-5 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Butanoic acid, 3,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-2-(trifluoromethyl)-   | 1882109-59-2 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Butanoic acid, 3,3,4,4,4-pentafluoro-2-bis(1,1,2,2,2-pentafluoroethyl)-  | 1882109-58-1 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,2,4,4,5,5,6,6,6-nonafluoro-3,3-bis(trifluoromethyl)-  | 1812247-20-3 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,2,3,4,5,5,6,6,6-nonafluoro-2,4-bis(trifluoromethyl)-  | 1812247-19-0 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,3,4,4,5,5,6,6,6-nonafluoro-2,3-bis(trifluoromethyl)-  | 1812247-18-9 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 3,3,4,4,5,5,6,6,6-nonafluoro-2,2-bis(trifluoromethyl)-  | 1812247-17-8 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,2,3,3,5,5,6,6,6-nonafluoro-4,4-bis(trifluoromethyl)-  | 1192593-79-5 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,2,3,3,4,5,6,6,6-nonafluoro-4,5-bis(trifluoromethyl)-  | 1144512-36-6 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,2,3,4,4,5,6,6,6-nonafluoro-3,5-bis(trifluoromethyl)-  | 1144512-35-5 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,2,3,3,4,4,6,6,6-nonafluoro-5,5-bis(trifluoromethyl)-  | 1144512-34-4 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-4-(trifluoromethyl)-  | 1144512-18-4 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-5-(trifluoromethyl)-  | 909009-42-3  | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-3-(trifluoromethyl)-  | 705240-04-6  | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Heptanoic acid, 2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-2-(trifluoromethyl)-  | 207678-51-1  | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Isocaproic acid, pentadecafluoro-  | 123116-17-6  | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-  | 35605-76-6   | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-  | 15166-06-0   | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | PFOA salts (including linear and branched isomers)   |              | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Ammonium salt, linear/branched PFOA (Octanoic acid, pentadecafluoro-, branched ammonium salt)  | 90480-56-1   | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7,8,8,8-pentadecafluoro-chromium(3+) salt (3:1)   | 68141-02-6   | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)  | 98241-25-9   | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, ammonium salt (1:1)   | 13058-06-5   | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, sodium salt (1:1)   | 1195164-59-0 | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, ammonium salt (1:1)   | 19742-57-5   | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, iron salt (1:x)   | 61436-04-2   | D | FA |   |  |  |  |  | 1-Feb-2019 |
|  | Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, potassium salt (1:1)  | 29457-73-6   | D | FA |   |  |  |  |  | 1-Feb-2019 |



|   |            |   |    |  |  |  |  |  |            |
|---|------------|---|----|--|--|--|--|--|------------|
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, sodium salt(1:1)   | 18017-22-6 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, chromium salt(1:3)   | 15739-82-9 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, aluminum salt(3:1)   | 15715-47-6 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Fluorotelomer iodides (FTIs)  |            | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptafluoro-10-iodo-  | 2043-63-0  | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-henecafluoro-12-iodo-   | 2043-54-1  | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosfluoro-14-iodo-  | 30046-31-2 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosfluoro-16-iodo-  | 65510-55-6 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodo-   | 65510-56-7 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Alkyl iodides, C4-20, γ-ω-perfluoro   | 68188-12-5 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Alkyl iodides, C10-12, γ-ω-perfluoro  | 68390-33-0 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Fluorotelomer alcohols (FTOHs)  |            | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Hexadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16-nonacosfluoro-   | 60699-51-6 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Tetradecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosfluoro-  | 39239-77-5 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henecafluoro-   | 865-86-1   | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluoro-  | 678-39-7   | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Fluorotelomer Acrylates and Methacrylates(FTACs and FTMACs)   |            | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosfluoro-2-hydroxy-16-(trifluoromethyl)heptadecyl ester          | 16083-78-6 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosfluorohexadecylester                               | 4980-53-4  | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosfluorotetradecyl ester  | 6014-75-1  | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosfluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl ester                     | 16083-87-7 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14-tetracosfluoro-13-(trifluoromethyl)tetradecyl ester                                    | 52956-82-8 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-icosfluoro-11-(trifluoromethyl)dodecyl ester   | 74256-14-7 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14-tetracosfluoro-13-(trifluoromethyl)tetradecyl ester                         | 74256-15-8 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-(Perfluorodecyl) ethyl acrylate, 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henecafluorododecyl ester                                 | 17741-60-5 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-(Perfluorodecyl) ethyl methacrylate, 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henecafluorododecyl ester                  | 2144-54-9  | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 8:2 Fluorotelomer acrylate, 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluoro-11-iodo-   | 27905-45-9 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 8:2 Fluorotelomer methacrylate, 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluoro-11-iodo-  | 1996-88-9  | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, γ-ω-perfluoro-C8-14-alkyl esters  | 85631-54-5 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosfluoro-15-(trifluoromethyl)hexadecyl ester                       | 91615-22-4 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18-dotriacontfluoro-17-(trifluoromethyl)octadecyl ester           | 94158-63-1 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosfluoro-15-(trifluoromethyl)hexadecyl ester            | 94158-64-2 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18-dotriacontfluoro-17-(trifluoromethyl)octadecylester | 94158-65-3 | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Perfluoroalkyl halides (incl. linear and branched isomers)  |            | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Perfluoroalkyl iodide   | 507-63-1   | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-tricosfluoro-11-iodo-   | 307-50-6   | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-pentacosfluoro-12-iodo-  | 307-60-8   | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13,14,14-nonacosfluoro-14-iodo-  | 307-63-1   | D | FA |  |  |  |  |  | 1-Feb-2019 |
| Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-hentriacontfluoro-15-iodo-   | 335-79-5   | D | FA |  |  |  |  |  | 1-Feb-2019 |

|     |   |             |      |    |  |          |                                 |  |  |             |
|-----|---|-------------|------|----|--|----------|---------------------------------|--|--|-------------|
|     | Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-heptacosafuoro-13-iodo-  | 376-04-5    | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-10-iodo-   | 423-62-1    | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-9-iodo-  | 558-97-4    | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-icosafuoro-10-iodo-2-(trifluoromethyl)-   | 677-93-0    | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-tetracosafuoro-12-iodo-2-(trifluoromethyl)-   | 3248-61-1   | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-octacosafuoro-14-iodo-2-(trifluoromethyl)-                           | 3248-63-3   | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Decane, 1-bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heneicosafuoro-  | 307-43-7    | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Alkyl Iodides, C6-18, perfluoro   | 90622-71-2  | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Fluorotelomer olefins (FTOs)  |             | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | 8:2 Fluorotelomer olefin  | 21652-58-4  | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | 1-Dodecene,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-   | 30389-25-4  | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Other PFOA Related Compounds  |             | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Silicic acid (H4SiO4), disodium salt, reaction products with chlorotrimethylsilane and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol | 125476-71-3 | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Poly[[1,3-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro)decyl]-1,3,1,3-dioxolane]diethylene]-1,3-  | 161045-59-6 | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | 1,5-Trisiloxanediol, 3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro)tri-1,3,5,5-pentamethyl- (9CI)   | 165320-75-2 | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro)trimethoxy-   | 83048-65-1  | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
|     | Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro)tri-   | 78560-44-8  | D    | FA |  |          |                                 |  |  | 1-Feb-2019  |
| 790 | Phenanthrene  | 85-01-8     | vPvB | FI | Scania, Greylist, 20.02.2019; Bosch 2009   |          |                                 |  | Steel structures, Rubber articles, Electrodes for the metal industry, Roofing felt, Clay pigeons   | 15-Jan-2019 |
| 791 | Phenol  | 108-95-2    | D    | FI | Reg. (EC) No 1272/2008   |          |                                 |  | Residual monomer in phenolic resins, epoxy resins, anti-oxidant in phenol derivatives, decomposition product in polymeric materials, wooden materials and textiles | 10-Jan-2005 |
|     | Phenol, 2-(1-methylpropyl)-4,6-dinitro-   | 88-85-7     | D    | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |          |                                 |  |  | 1-Feb-2017  |
|     | Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (UV 329)   | 3147-75-9   | D    | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |          |                                 |  | UV stabilizer for Polycarbonate, PMMA, molding, light lenses, lining   | 1-Feb-2017  |
|     | Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (UV 350)   | 36437-37-3  | D    | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |          |                                 |  | UV-protection agents in coatings, plastics, rubber   | 1-Feb-2016  |
|     | Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (UV 320)   | 3846-71-7   | P    | LR | Japan Chemical Substances Control Law [Class I] (EC) No 1907/2006 (REACH Candidate List)                           |          |                                 |  | UV Stabilizer in plastics for trim parts, etc.   | 1-Feb-2007  |
|     | Phenol, 2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)- (UV-234)  | 70321-86-7  | D    | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |          |                                 |  | ABS, thermoplastics, duromers, dashboard, bumper.  | 1-Feb-2017  |
|     | Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1'-dimethylethyl)- (UV 327)   | 3864-99-1   | D    | LR | Japan Chemical Substances Control Law [Monitoring] (EC) No 1907/2006 (REACH Candidate List)                        |          |                                 |  | UV absorber used in moldings, doorside and roof etc.   | 1-Feb-2009  |
|     | Phenol, 2,4,6-tris(1,1-dimethylethyl)-  | 732-26-3    | D/P  | LR | Japan Chemical Substance Control Law [Class II]  |          |                                 |  | Petrochemical products   | 10-Jan-2005 |
|     | Phenol, 2,4-bis(1,1-dimethylethyl)-   | 96-76-4     | D    | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |          |                                 |  |  | 1-Feb-2017  |
|     | Phenol, 2,6-bis(1,1-dimethylethyl)-   | 128-39-2    | D    | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |          |                                 |  |  | 1-Feb-2017  |
|     | Phenol, 4-(1,1,3,3-tetramethylbutyl)-   | 140-66-9    | D    | LR | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |          |                                 |  |  | 1-Feb-2017  |
|     | Phenol, 4-(1,1,3,3-tetramethylbutyl), ethoxylated, selected   |             | D    | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |          |                                 |  |  | 1-Feb-2018  |
|     | alpha-(p-(1,1,3,3-Tetramethylbutyl)phenyl)-omega-hydroxypropyl(oxethylene)  | 9036-19-5   | D    | LR | Reg. (EC) No 1907/2006 (REACH Annex XIV)   | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 1-Feb-2018  |
|     | Polyethylenylcol[4-(1,1,3,3-tetramethylbutyl)phenyl]-ether  | 9002-93-1   | D    | LR | Reg. (EC) No 1907/2006 (REACH Annex XIV)   | 4-Jan-21 | REACH Authorisation Sunset Date |  |  | 1-Feb-2018  |
|     | Phenol, 4,4'-(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-  | 1843-03-4   | D    | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |          |                                 |  |  | 1-Feb-2017  |
|     | phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)bis]oxirane                               | 25036-25-3  | D    | FI | Renault 2007   |          |                                 |  |  |             |
|     | Phenol, 4,4'-methylenebis[2,6-bis(1,1-dimethylethyl)-   | 118-82-1    | D    | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |          |                                 |  |  | 1-Feb-2017  |
|     | Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene   | 68610-51-5  | D    | FI | Included in list of substances under REACH PACT assessment   |          |                                 |  | rubber, adhesives, sealants, elastomers, duromers  | 1-Feb-2017  |
|     | Phenol, styrenated  | 61788-44-1  | D    | FI | Included in list of substances under REACH PACT assessment   |          |                                 |  | Elastomers / elastomeric compounds, Adhesives, sealants  | 1-Feb-2017  |
| 792 | Phenolphthalein   | 77-09-8     | C    | FI | Scania, Greylist, 20.02.2019   |          |                                 |  |  | 3-Jan-2012  |
| 793 | Phenyl Glycidyl Ether   | 122-60-1    | D    | FI | California Proposition 65  |          |                                 |  | Used in the production of epoxy resins as an intermediate and a stabilizer(adhesives, paints, coatings)  | 1-Feb-2019  |

|     |   |             |       |          |   |                          |  |  |  |             |
|-----|---|-------------|-------|----------|---|--------------------------|--|--|--|-------------|
| 794 | Phenylenediamines and its salts, selected   |             | D     | FI       | Reg. (EC) No 1272/2008<br>Reg. (EC) No 552/2009   |                          |  | Dyes, chemical intermediate, Petrochemical additive                                    |  | 10-Jan-2005 |
|     | 2,6-Dichloro-p-phenylenediamine   | 609-20-1    | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | 2-Ethoxy-N,N-diethyl-p-phenylenediamine   | 2359-46-8   | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | 2-Methoxy-5-methyl-p-phenylenediamine   | 5307-90-6   | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | 2-Nitro-p-phenylenediamine  | 5307-14-2   | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | 4-Chloro-o-phenylenediamine   | 95-83-0     | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | Dimethyl-p-phenylenediamine   | 99-98-9     | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | m-phenylenediamine  | 108-45-2    | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | m-phenylenediamine dihydrochloride  | 541-69-5    | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | N,N-Diphenyl-p-phenylenediamine   | 74-31-7     | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | o-Phenylenediamine  | 95-54-5     | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | o-phenylenediamine dihydrochloride  | 615-28-1    | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | Phenylenediamines   | 25265-76-3  | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | p-Phenylenediamine  | 106-50-3    | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | p-Phenylenediamine dihydrochloride  | 624-18-0    | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
|     | p-Phenylenediamine hydrochloride  | 55972-71-9  | D     | FI       |   |                          |  |  |  | 10-Jan-2005 |
| 795 | phenylmercuric acetate  | 62-38-4     | P / R | FI       |   |                          |  |  |  | 10-Jan-2005 |
| 796 | Phosphoric acid, bis[(1,1-dimethylethyl)phenyl] phenyl ester  | 56552-41-7  | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |                          |  | Flame Retardant  |  | 1-Feb-2017  |
| 797 | Phosphoric acid, tris(2-methylphenyl) ester   | 78-30-8     | D     | FI       | Reg. (EC) No 1272/2008, toxic and dangerous for the environment   |                          |  | component in lubricants for hydraulics, engines, gears, pumps                          |  | 1-Feb-2009  |
| 798 | Phosphoric acid,(1,1-dimethylethyl)phenyl diphenyl ester  | 56803-37-3  | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |                          |  | Flame Retardant  |  | 1-Feb-2017  |
| 799 | Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-propyl) esters, zinc salts              | 84605-29-8  | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |                          |  |  |  | 1-Feb-2017  |
| 800 | Phosphorodithioic acid, mixed O,O-bis(sec-butyl and isooctyl) esters, zinc salts                        | 113706-15-3 | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |                          |  |  |  | 1-Feb-2017  |
| 801 | Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts   | 68649-42-3  | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |                          |  |  |  | 1-Feb-2017  |
| 802 | Phosphorodithioic acid,mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts      | 85940-28-9  | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |                          |  |  |  | 1-Feb-2017  |
| 803 | Phosphorodithioic acid,mixed O,O-bis(iso-butyl and pentyl) esters, zinc salts                           | 68457-79-4  | D     | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |                          |  |  |  | 1-Feb-2017  |
| 804 | photomirex  | 39801-14-4  | D     | FI       | Renault 2007  |                          |  |  |  |             |
| 805 | Phthalates, selected  |             | D/P   | FI/FA/LR | Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH) US EPA Chemical Action Plan. <a href="http://www.epa.gov/oppt/existingchemicals/pubs/actionplans_phthalates.html">http://www.epa.gov/oppt/existingchemicals/pubs/actionplans_phthalates.html</a>   | selected, see list below | REACH Authorisation Sunset Date (selected, see list below) | Plasticizer  |  | 10-Jan-2005 |
|     | (1,2-Benzenedicarboxylic acid, diheptyl ester, branched and linear)                                     | 68515-44-6  | D     | FA       |   |                          |  |  |  | 13-Aug-2008 |
|     | (1,2-Benzenedicarboxylic acid, dinonyl ester, branched and linear)                                      | 68515-45-7  | D     | FA       |   |                          |  |  |  | 13-Aug-2008 |
|     | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear  | 84777-06-0  | D     | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jul-20                 | REACH Authorisation Sunset Date                            |  |  | 1-Feb-2018  |
|     | (1,2-Benzenedicarboxylic acid, diundecyl ester)   | 3648-20-2   | D     | FA       | Canadian Chemical Challenge, Batch 8. Fits category C7 to C11 esters  |                          |  |  |  | 13-Aug-2008 |
|     | (1,2-Benzenedicarboxylic acid, heptyl nonyl ester, branched and linear)                                 | 111381-89-6 | D     | FA       |   |                          |  |  |  | 13-Aug-2008 |
|     | (1,2-Benzenedicarboxylic acid, heptyl undecyl ester, branched and linear)                               | 111381-90-9 | D     | FA       |   |                          |  |  |  | 13-Aug-2008 |
|     | (1,2-Benzenedicarboxylic acid, nonyl undecyl ester, branched and linear)                                | 111381-91-0 | D     | FA       |   |                          |  |  |  | 13-Aug-2008 |
|     | 1,2-Benzenedicarboxylic acid; di-C6-8-branched alkylesters, C7-rich                                     | 71888-89-6  | D     | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jul-20                 | REACH Authorisation Sunset Date                            | PVC plasticizer. No EU or US production  |  | 1-Feb-2012  |
|     | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters   | 68515-51-5  | D     | LR       | Reg. (EC) No1907/2006 (REACH Candidate List)  |                          |  |  |  | 1-Feb-2016  |
|     | 1,2-Benzenedicarboxylic acid, di-C10-12-branched alkyl esters   |             | D     | FI       | Included in list of substances under REACH PACT assessment.   |                          |  | Plasticizer PVC  |  | 1-Feb-2018  |
|     | 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate | 68648-93-1  | D     | LR       | Reg. (EC) No1907/2006 (REACH Candidate List)  |                          |  |  |  | 1-Feb-2016  |
|     | Benzyl butyl phthalate (BBP)  | 85-68-7     | D/P   | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 21-Feb-15                | REACH Authorisation Sunset Date                            |  |  | 10-Jan-2005 |
|     | (1,2-Benzenedicarboxylic acid, 1-butyl 2-(phenylmethyl) ester)  |             | D     | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jul-20                 | REACH Authorisation Sunset Date                            |  |  | 10-Jan-2005 |
|     | Bis(2-methoxyethyl) phthalate   | 117-82-8    | D     | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  |                          |  |  |  | 10-Jan-2005 |
|     | (1,2-Benzenedicarboxylic acid, 1,2-bis(2-methoxyethyl) ester)   |             | D/P   | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 21-Feb-15                | REACH Authorisation Sunset Date                            |  |  | 10-Jan-2005 |
|     | Di(2-ethylhexyl)phthalate (DEHP)  | 117-81-7    | D/P   | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 21-Feb-15                | REACH Authorisation Sunset Date                            |  |  | 10-Jan-2005 |
|     | (1,2-Benzenedicarboxylic acid, 1,2-bis(2-ethylhexyl) ester)   |             | D/P   | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 21-Feb-15                | REACH Authorisation Sunset Date                            |  |  | 10-Jan-2005 |
|     | Dibutylphthalate (DBP)  | 84-74-2     | D/P   | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  |                          |  |  |  | 10-Jan-2005 |
|     | (1,2-Benzenedicarboxylic acid, 1,2-dibutyl ester)   |             | D     | FA       | Canadian Government has completed a draft risk assessment and proposed that the substance be declared toxic ( <a href="http://www.ec.gc.ca/ese-ees/default.asp?lang=En&amp;n=516A504A-1">http://www.ec.gc.ca/ese-ees/default.asp?lang=En&amp;n=516A504A-1</a> ). Government is required to regulate toxic substances once the assessment is finalized (late 2018) |                          |  | Thermoplastic PVC, PVC tape, PVC foam, and sealers                                     |  | 1-Feb-2019  |
|     | Benzyl octyl phthalate (B79P)   | 68515-40-2  | D     | FA       |   |                          |  |  |  | 1-Feb-2019  |
|     | Dicyclohexyl phthalate  | 84-61-7     | D     | LR       | Reg. (EC) No 1907/2006 (REACH Candidate List)   |                          |  | Damper, cable, caliper, label, tape (Plasticizer and other plastic blocking inhibitor) |  | 1-Feb-2018  |
|     | Dihexyl phthalate   | 84-75-3     | D     | LR       | Reg. (EC) No1907/2006 (REACH Candidate List)  |                          |  |  |  | 1-Aug-2014  |
|     | Diisobutylphthalate (DIBP)  | 84-69-5     | D/P   | LR       | Reg. (EC) No1907/2006 (REACH Candidate List)  | 21-Feb-15                | REACH Authorisation Sunset Date                            |  |  | 1-Feb-2010  |
|     | (1,2-Benzenedicarboxylic acid, 1,2-bis(2-methylpropyl) ester)   |             | D     | LR       | Reg. (EC) No 790/2009 Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jul-20                 | REACH Authorisation Sunset Date                            |  |  | 10-Jan-2005 |
|     | Diisopentylphthalate (DIPP)   | 605-50-5    | D     | LR       | Reg. (EC) No 1907/2006 (REACH Annex XIV)  |                          |  |  |  | 10-Jan-2005 |
|     | (1,2- Benzenedicarboxylic acid, 1,2-bis(3-methylbutyl) ester)   |             | D     | LR       |   |                          |  |  |  | 10-Jan-2005 |

|     |   |   |              |    |   |          |                                 |  |             |
|-----|---|---|--------------|----|---|----------|---------------------------------|--|-------------|
|     | Dipentylphthalate<br>(1,2-Benzenedicarboxylic acid, 1,2-dipentyl ester)   | 131-18-0  | D            | LR | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jul-20 | REACH Authorisation Sunset Date |  | 10-Jan-2005 |
|     | Heptyl undecyl phthalate<br>(1,2-Benzenedicarboxylic acid di-C7-11-branched and linear alkyl-esters)                  | 68515-42-4  | D            | LR | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Jul-20 | REACH Authorisation Sunset Date |  | 1-Feb-2006  |
|     | Di-isononyl phthalate   | 28553-12-0  | D            | FI | US EPA Chemical Action Plan.<br><a href="http://www.epa.gov/oppt/existingchemicals/pubs/actionplans/phthalates.html">http://www.epa.gov/oppt/existingchemicals/pubs/actionplans/phthalates.html</a> |          |                                 | additive in plastics, wheel assy, switch assy, seat assy, wiring harness, door assy, IP, cables, seat assy, fuel line assy, etc.   | 1-Feb-2013  |
|     | Di-isodecyl phthalate   | 26761-40-0  | D            | FI |   |          |                                 |  | 1-Feb-2013  |
|     | Di-n-octylphthalate   | 117-84-0  | D            | FI |   |          |                                 |  | 1-Feb-2013  |
|     | Di-(C9-rich branched C8-C10-alkyl) phthalate  | 68515-48-0  | D            | FI |   |          |                                 |  | 1-Feb-2013  |
| 806 | Phthalic anhydride  | 85-44-9   | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |          |                                 |  | 1-Feb-2017  |
| 807 | Piperidine, 1,1'-(tetrathiodicarbonyl)bis-  | 120-54-7  | D            | FI | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)  |          |                                 |  | 1-Feb-2017  |
| 808 | piperonyl butoxide  | 51-03-6   | D            | FI | Renault 2007  |          |                                 | biocide  |             |
| 809 | Pitch, coal tar, high temp.   | 65996-93-2  | D            | LR | Reg. (EC) No 1907/2006 (REACH Annex XIV)  | 4-Oct-20 | REACH Authorisation Sunset Date |  | 1-Feb-2018  |
| 810 | Polyamine Curing Agents, selected   |   | D            | FI | Not currently regulated but releasable hexamines are relevant to vehicle interior air quality   |          |                                 |  | 10-Jan-2005 |
|     | bis-Hexamethylenetriamine   | 143-23-7  | D            | FI |   |          |                                 | Resin systems used in interior applications (resin impregnated felts, sound insulators and other parts). The affected resin systems include phenol-formaldehyde (the more important) and urea-formaldehyde.  | 1-Feb-2007  |
|     | Triethyleneglycoldiamine  | 929-59-9  | D            | FI |   |          |                                 |  | 1-Feb-2007  |
|     | Poly(propyleneglycol)triamine   | 64852-22-8  | D            | FI |   |          |                                 |  | 1-Feb-2007  |
|     | Poly(propyleneglycol)diamine  | 9046-10-0   | D            | FI |   |          |                                 |  | 1-Feb-2007  |
|     | Pentaethylenhexamine  | 4057-16-7   | D            | FI |   |          |                                 |  | 1-Feb-2007  |
|     | Hexamethylenetetramine  | 100-97-0  | D            | FI |   |          |                                 |  | 10-Jan-2005 |
| 811 | Polybromin. Diphenylethers (PBDE)   | 1163-19-5, 32534-81-9, 32536-52-0, 63936-56-1, et al. | E, PBT, vPvB |    | Scania, Blacklist, 20.02.2019   |          |                                 | Plastics Textile   | 24-Feb-1998 |
| 812 | Polybrominated biphenyls (PBB)  | 59536-65-1  | P / R        | FI | Scania 2014/ Volvo 2014/ Ford 2013/ Kubota 2014/ Renault 2007/ Bosch 2009   |          |                                 | Scania 2014; Plastics, Textile; Volvo 2014; Flame retardants in plastics and textiles; (Ford 2013); All Products; Volvo 2012; Flame retardants in plastics and textiles; / Textiles, plastics; (4.9.08) Ford; all products; Renault 2007; flame retardant for plastics and electronics |             |
| 813 | Polybrominated biphenyls (PBB), all members   |   | P            | LR | Reg. (EC) No 552/2009<br>GB/T 30512 (ELV China)   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',3,4,5'-pentabromo-  | 73141-48-7  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',3,4,6'-pentabromo-  | 7310-04-4   | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',3,5',6'-pentabromo-   | 88700-05-4  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',4,4',5'-pentabromo-   | 81397-99-1  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',4,4',6'-pentabromo-   | 97038-97-6  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',4,4'-tetrabromo-  | 66115-57-9  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',4,4',5,5'-hexabromo-  | 59080-40-9  | P            | LR |   |          |                                 |  | 1-Feb-2014  |
|     | 1,1'-Biphenyl, 2,2',4,5,5'-pentabromo-  | 67888-96-4  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',4,5,6'-pentabromo-  | 59080-39-6  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',4,5,6'-pentabromo-  | 80274-92-6  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',4,5'-tetrabromo-  | 60044-24-8  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',4,6,6'-pentabromo-  | 97063-75-7  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',4,6'-tetrabromo-  | 97038-95-4  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',5,5'-tetrabromo-  | 59080-37-4  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',5,6'-tetrabromo-  | 60044-25-9  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',5-tribromo-   | 59080-34-1  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2',6,6'-tetrabromo-  | 97038-96-5  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,2'-dibromo-  | 13029-09-9  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,3,4,4',5-pentabromo-   | 96551-70-1  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2',3,4,4',5-pentabromo-  | 74114-77-5  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,3',4,4'-tetrabromo-  | 84303-45-7  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,3,4,5,6-pentabromo-  | 39421-62-4  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,3',4',5-tetrabromo-  | 59080-38-5  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,3',5-tribromo-   | 59080-35-2  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,3'-dibromo-  | 49602-90-6  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,3,3',4'-tetrabromo-  | 40088-45-7  | P            | LR |   |          |                                 |  | 1-Feb-2014  |
|     | 1,1'-Biphenyl, 2,4,4',6-tetrabromo-   | 64258-02-2  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,4',5-tribromo-   | 59080-36-3  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,4,6-tribromo-  | 59080-33-0  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,4',6-tribromo-   | 64258-03-3  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,4'-dibromo-  | 49602-91-7  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,4-dibromo-   | 53592-10-2  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,5-dibromo-   | 57422-77-2  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,5-tribromo-  | 59080-32-9  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,6-dibromo-   | 77102-92-0  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 3,3',4,4'-tetrabromo-  | 97038-98-7  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 3,3',5,5'-tetrabromo-  | 16400-50-3  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 3,3'-dibromo-  | 16400-51-4  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 3,4,4',5-tetrabromo-   | 59589-92-3  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 3,4'-dibromo-  | 57186-90-0  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 3,4-dibromo-   | 60108-72-7  | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 4,4'-dibromo-  | 32-96-4   | P            | LR |   |          |                                 |  | 10-Jan-2005 |
|     | 1,1'-Biphenyl, dibromo-   | 27479-65-8  | P            | LR |   |          |                                 |  | 1-Feb-2018  |
|     | [1,1'-Biphenyl]-ar,ar'-diol, tetrabromo-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol] | 68758-75-8  | P            | LR |   |          |                                 |  | 1-Feb-2019  |
|     | 2,2',3,3',5,5',6,6'-Octabromo-4-phenoxy-1,1'-biphenyl   | 83929-69-5  | P            | LR |   |          |                                 |  | 1-Feb-2019  |

|     |   |              |         |       |  |                              |  |   |   |             |
|-----|---|--------------|---------|-------|--|------------------------------|--|---|---|-------------|
|     | 2-bromobiphenyl   | 2052-07-5    | P       | LR    | Substance is a mono-brominated substance but has been included in this group per regulations.  |                              |  |   | 1-Feb-2019  |             |
|     | 3-bromobiphenyl   | 2113-57-7    | P       | LR    | Substance is a mono-brominated substance but has been included in this group per regulations.  |                              |  |   | 1-Feb-2019  |             |
|     | 4,4',6,6'-Tetrabromo[1,1'-biphenyl]-2,2'-diol   | 14957-65-4   | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | 4-Bromobiphenyl   | 92-66-0      | P       | LR    | Substance is a mono-brominated substance but has been included in this group per regulations.  |                              |  |   | 1-Feb-2019  |             |
|     | Benzene, 1,1'-oxybis[2,3,4,6-tetrabromo-  | 117964-21-3  | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Decabromobiphenyl   | 13654-09-6   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Firmaster BP-6  | 59536-65-1   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Firmaster FF-1  | 67774-32-7   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Heptabromobiphenyl  | 35194-78-6   | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Hexabromobiphenyl   | 36355-01-8   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Nonabromo-1,1'-biphenyl   | 27753-52-2   | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Octabromobiphenyl   | 27858-07-7   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Pentabromobiphenyl  | 56307-79-0   | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Bromkal 80  | 61288-13-9   | P       | LR    |  |                              |  |   | 1-Feb-2009  |             |
| 814 | Polybrominated biphenyls, PBB   | Several      | E, N, C |       | Scania, Blacklist, 20.02.2019  |                              |  | Plastics Textile  | 24-Feb-1998   |             |
| 815 | Polybrominated diphenyl ethers (PBDE)   | 1163-19-5    | P       | FI    | Scania 2014/ Renault 2007  |                              |  | Scania 2014: Textiles, plastics; (15.10.08) Renault: flame retardant  |   |             |
| 816 | Polybrominated diphenyl ethers (PBDE), all members  |              | D/P     | FI/LR | Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH) Japan Chemical Substances Control Law [Class I] GB/T 30512 (ELV China) Canada (SOR/2008-218)  |                              |  | Flame retardant   | 10-Jan-2005   |             |
|     | 2,2',3,3',4,5',6'-heptabromodiphenyl ether  | 446255-22-7  | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | 2,2',3,4,4',5',6'-Heptabromodiphenyl ether  | 207122-16-5  | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | 2,2',4,4',5,5'-Hexabromodiphenyl ether  | 68631-49-2   | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | 2,2',4,4',5,6'-hexabromodiphenyl ether  | 207122-15-4  | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | 2,2',4,4',5-Pentabromodiphenyl ether  | 60248-60-9   | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | 2,2',4,4'-tetrabromodiphenyl ether  | 5436-43-1    | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Benzen, 1,2,4,5-tetrabromo-3-(2,4-dibromophenoxy)-  | 116995-33-6  | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Benzene, 1,1'-oxybis[2,3,4,6-tetrabromo-  | 117964-21-3  | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)   | 109945-70-2  | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)   | 1201677-32-8 | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)   | 145538-74-5  | P       | LR    |  |                              |  |   | 1-Feb-2019  |             |
|     | Decabromodiphenyl ether ('Deca'; Decabromodiphenyl oxide) (Benzene, 1,1'-oxybis[2,3,4,5,6-pentabromo-]) | 1163-19-5    | D/P     | FI/LR | Dec 2013 voluntary phase out US EPA. P by July 2015 in D.C. Reg. (EC) No 1907/2006 (REACH Candidate List and Annex XVII).  | 1-Jan-14<br>2-Mar-19 (REACH) |  |   | 10-Jan-2005   |             |
|     | Dibromodiphenyl ether   | 2050-47-7    | P       | LR    |  |                              |  |   | 1-Feb-2017  |             |
|     | Monobromodiphenyl ether   | 101-55-3     | P       | LR    |  |                              |  |   | 1-Feb-2017  |             |
|     | Nonabromodiphenyl ether   | 63936-56-1   | P       | LR    |  |                              |  |   | 1-Feb-2017  |             |
|     | Octabromodiphenyl ether ('Octa') (Benzene, 1,1'-oxybis-, octabromo deriv.)                              | 32536-52-0   | P       | LR    |  |                              |  | Flame retardants in polymers, textiles etc.   | 10-Jan-2005   |             |
|     | Pentabromodiphenyl ether ('Penta') (Benzene, 1,1'-oxybis-, pentabromo deriv.)                           | 32534-81-9   | P       | LR    | Japan Chemical Substances Control Law [Class I]  |                              |  |   | 10-Jan-2005   |             |
|     | Hexabromodiphenyl ether   | 36483-60-0   | P       | LR    | Japan Chemical Substances Control Law [Class I]  |                              |  |   | 1-Feb-2010  |             |
|     | Heptabromodiphenyl ether  | 68928-80-3   | P       | LR    | Japan Chemical Substances Control Law [Class I]  |                              |  |   | 1-Feb-2010  |             |
|     | Tetrabromodiphenyl ether  | 40088-47-9   | P       | LR    | Japan Chemical Substances Control Law [Class I]  |                              |  |   | 1-Feb-2010  |             |
|     | Tribromodiphenyl ether  | 49690-94-0   | P       | LR    |  |                              |  |   | 1-Feb-2017  |             |
| 817 | Polybrominated terphenyls (PBT), all members  |              | D       | FI    |  |                              |  | Flame retardants in plastics and textiles.  | 10-Jan-2005   |             |
|     | Dodecabromoterphenyl  | 79596-31-9   | D       | FI    |  |                              |  |   | 1-Feb-2009  |             |
|     | Undecabromoterphenyl  | 83929-80-0   | D       | FI    |  |                              |  |   | 1-Feb-2009  |             |
|     | 4-Bromo-p-terphenyl (1,1':4',1'':-Terphenyl, 4-bromo-)  | 1762-84-1    | D       | FI    |  |                              |  |   | 1-Feb-2009  |             |
|     | 2''-Bromo-1,1':4',1''-terphenyl   | 3282-24-4    | D       | FI    |  |                              |  |   | 1-Feb-2009  |             |
|     | 2''-Bromo-1,1':2',1''-terphenyl   | 75295-57-7   | D       | FI    |  |                              |  |   | 1-Feb-2009  |             |
|     | 4,4'-Dibromo-p-terphenyl  | 17788-94-2   | D       | FI    |  |                              |  |   | 1-Feb-2009  |             |
|     | 3-bromo-p-terphenyl   | 1762-87-4    | D       | FI    |  |                              |  |   | 1-Feb-2009  |             |
| 818 | Polychlorinated biphenyls (PCB), all members  |              | P       | LR    | Reg. (EC) No 552/2009; 40 CFR §761.185 Japan Chemical Substance Control Law [Class I]  |                              |  | Insulation fluid in electrical systems, switch boards transformers and condensers, in wood and paper impregnation, as a softening agent | EU > 0.0002%<br>Japan: ≤ BAT Intentional addition and non intentional addition prohibited | 10-Jan-2005 |
|     | 1,1'-Biphenyl, 2,4',5-trichloro-  | 16606-02-3   | P       | LR    | Reg. (EC) No 552/2009  |                              |  |   | 10-Jan-2005   |             |
|     | 2,2',4,4'-Tetrachlorobiphenyl   | 2437-79-8    | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | 2,3',4,4',5,5'-HEXACHLOROBIPHENYL   | 52663-72-6   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | 2,4,5,2',4',5'-Hexachlorobiphenyl   | 35065-27-1   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | 3,3',4,4'-TETRACHLOROBIPHENYL   | 32598-13-3   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | 3,4,5,3',4',5'-Hexachlorobiphenyl   | 32774-16-6   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Aroclor 1016  | 12674-11-2   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Aroclor 1221  | 11104-28-2   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Aroclor 1232  | 11141-16-5   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Aroclor 1242  | 53669-21-9   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Aroclor 1248  | 12672-29-6   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | AROCLOR 1254  | 11097-69-1   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Aroclor 1260  | 11096-82-5   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Heptachloro-1,1'-biphenyl   | 28655-71-2   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Nonachloro-1,1'-biphenyl  | 53742-07-7   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | pentachloro[1,1'-biphenyl]  | 25429-29-2   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Polychlorinated biphenyls   | 1336-36-3    | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
|     | Tetrachloro(tetrachlorophenyl)benzene   | 31472-83-0   | P       | LR    |  |                              |  |   | 10-Jan-2005   |             |
| 819 | Polychlorinated naphthalenes, all members   |              | P       | LR    | Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale any PCN effective January 1, 2013. Japan Chemical Substance Control Law [Class I] |                              |  | switch boards transformers and condensers, in wood and paper impregnation, as a softening agent   | Report any intentionally added content  | 10-Jan-2005 |

|     | Naphthalene, chloro derivatives   | 70776-03-3          | P         | LR    |   |  |  |  | Petrochemical additive  |  | 10-Jan-2005 |
|-----|---|---------------------|-----------|-------|---|--|--|--|---|--|-------------|
|     | Naphthalene, trichloro-   | 1321-65-9           | P         | LR    |   |  |  |  |   |  | 1-Feb-2012  |
|     | Pentachloronaphthalene  | 1321-64-8           | P         | LR    |   |  |  |  |   |  | 10-Jan-2005 |
| 820 | Polychlorinated terphenyls (PCT), all members   |                     | P         | LR    | Reg. (EC) No 1907/2006 (REACH Annex XVII)   |  |  |  | Insulation fluid in electrical systems, switch boards transformers and condensers, in wood and paper impregnation, as a softening agent   | 0,001%   | 10-Jan-2005 |
|     | Terphenyl, chlorinated  | 61788-33-8          | P         | LR    |   |  |  |  |   |  | 10-Jan-2005 |
| 821 | Polychlorinated Terphenyls (PCT)  | 61788-33-8          | P         | FI    | Volvo 2014/ Bosch 2009/ Renault 2007  |  |  |  | Volvo 2014: Insulation fluids in electrical systems, constituent in transformer oils and condensers; Bosch 2012: prohibited as pure substance and 0,005 in mixtures; occurrence in flame retardants, insecticides; / Volvo 2012: Insulation fluids in electrical systems, constituent in transformer oils and condensers; / in substances and preparations: (20.09.06) Renault: hydraulic fluid, liquid coolant, transformer; Bosch, 2010: flame retardants, insecticides |  |             |
| 822 | Polycyclic aromatic hydrocarbons (PAH; PCAH) in extender oils and extender oils in tyres, selected                                    |                     | P         | LR    | Reg. (EC) No 552/2009   |  |  |  | Extender oils and extender oils in tyres  | 1 PPM for Benzo(a)Pyrene and 10 PPM for the sum of all PAHs listed below   | 1-Feb-2010  |
| 823 | Polycyclic aromatic hydrocarbons (PAH; PCAH) in polymers, selected  |                     | D         | FI/FA | Reg. (EC) No 1272/2008 General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) of the People's Republic of China |  |  |  | Polymers  | 20 PPM for Benzo(a)Pyrene and 200 PPM for the sum of all PAHs listed below | 1-Feb-2010  |
|     | Anthracene  | 120-12-7            | D         | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |  |   |  | 15-Sep-2009 |
|     | Benzo[a]anthracene  | 56-55-3             | D         | FI/FA |   |  |  |  |   |  | 10-Jan-2005 |
|     | Benzo[e]acephenanthrylene   | 205-99-2            | D         | FI/FA |   |  |  |  |   |  | 10-Jan-2005 |
|     | Benzo[a]pyrene  | 50-32-8             | D         | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |  |   |  | 10-Jan-2005 |
|     | Benzo[e]pyrene  | 192-97-2            | D         | FI/FA |   |  |  |  |   |  | 10-Jan-2005 |
|     | Benzo[j]fluoranthene  | 205-82-3            | D         | FI/FA |   |  |  |  |   |  | 10-Jan-2005 |
|     | Benzo[k]fluoranthene  | 207-08-9            | D         | FI/FA |   |  |  |  |   |  | 10-Jan-2005 |
|     | Chrysene  | 218-01-9            | D         | FI/FA |   |  |  |  |   |  | 10-Jan-2005 |
|     | Dibenz[a,h]anthracene   | 53-70-3             | D         | FI/FA |   |  |  |  |   |  | 10-Jan-2005 |
|     | Fluoranthene  | 206-44-0            | D         | FI    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |  |   |  | 1-Feb-2019  |
|     | Naphthalene   | 91-20-3             | D         | FA    |   |  |  |  |   |  | 1-Feb-2016  |
|     | Phenanthrene  | 85-01-8             | D         | FI    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |  |   |  | 1-Feb-2019  |
|     | Pyrene  | 129-00-0            | D         | FI    | Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  |  |   |  | 1-Feb-2019  |
| 824 | polymeric MDI   | 9016-87-9           | D         |       | Renault 2007  |  |  |  |   |  |             |
| 825 | potassium chromate (VI)   | 7789-00-6           | P / R     |       | Scania 2014/ Kubota 2014/ Renault 2007  |  |  |  | Bosch 2012: 0.1, however prohibited for developing new materials or material alterations; /   |  |             |
| 826 | potassium dichromate  | 7778-50-9           | P / R     |       | Scania 2014/ Kubota 2014/ Renault 2007  |  |  |  | Bosch 2012: 0.1, however prohibited for developing new materials or material alterations;   |  |             |
| 827 | Potassium hydroxyoctaoxidizincatedichromate   | 11103-86-9          | C         |       | Scania, Greylist, 20.02.2019  |  |  |  | Coating   |  | 5-Jul-2011  |
| 828 | potassium N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]glycinate; Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt | 2991-51-7           | P         |       | Kubota 2014/ Renault 2007   |  |  |  |   |  |             |
| 829 | potassium perfluorooctanesulphonate/ potassium heptadecafluorooctane-1-sulfonate, (PFOS)  | 2795-39-3           | P / C     |       | Kubota 2014/ Renault 2007   |  |  |  |   |  |             |
| 830 | potassium permanganate  | 7722-64-7           | D / C     |       | Renault 2007  |  |  |  |   |  |             |
| 831 | procymidone   | 32809-16-8          | D         |       | Renault 2007  |  |  |  |   |  |             |
| 832 | prometryne  | 7287-19-6           | D         |       | Renault 2007  |  |  |  | Renaut 2010: Biocide  |  |             |
| 833 | propylene glycol  | 57-55-6             | M         |       | Renault 2007  |  |  |  |   |  |             |
| 834 | PTC-arcrol 5442   | 12942-23-8          | P         |       | Renault 2007  |  |  |  | hydraulic fluid, liquid coolant, transformer  |  |             |
| 835 | p-tert-butylphenol/ 4-tert-Butylphenol  | 98-54-4             | D / C     |       | Kubota 2014/ Renault 2007   |  |  |  |   |  |             |
| 836 | Pyrene  | 129-00-0            | D / P     | FI    | Bosch 2009  |  |  |  |   |  |             |
| 837 | Pyrene  | 129-00-0, 1718-52-1 | PBT, vPvB | FI    | Scania, Greylist, 20.02.2019  |  |  |  | Steel structures. Rubber articles. Electrodes for the metal industry. Roofing felt. Clay pigeons  |  | 15-Jan-2019 |
| 838 | Pyrochlore, antimony lead yellow  | 8012-00-8           | R         |       | Scania, Greylist, 20.02.2019  |  |  |  | Paint, pigments, ink toner  |  | 19-Dec-2012 |
| 839 | Pyrrolidones, selected  |                     | D         | FI/LR |   |  |  |  |   |  | 1-Feb-2016  |
|     | 1-Methylpyrrolidin-2-one (2-Pyrrolidone, 1-methyl-) (NMP)   | 872-50-4            | D         | LR    | Reg. (EC) No 790/2009 (REACH Candidate List)  |  |  |  | Solvent for paint and found in leather and ink  |  | 1-Feb-2009  |
|     | N-Ethyl-2-pyrrolidone (NEP)   | 2687-91-4           | D         | FI    | http://echa.europa.eu/documents/10162/13626/opinion_for_nep_adopted_final_en.pdf  |  |  |  |   |  | 1-Feb-2016  |
| 840 | Quaternary ammonium compounds, benzy(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite                            | 71011-24-0          | D         | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                        |  |  |  |   |  | 1-Feb-2017  |
| 841 | Quaternary ammonium compounds, benzy(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with hectorite                            | 71011-26-2          | D         | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                        |  |  |  |   |  | 1-Feb-2017  |
| 842 | Quaternary ammonium compounds, benzy-C12-16-alkyldimethyl, chlorides; Alkyl (C12-16) dimethylbenzyl ammonium chloride; C12-16-ADBAC;  | 68424-85-1          | D         | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                        |  |  |  |   |  | 1-Feb-2017  |
| 843 | Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides;   | 61789-80-8          | D         | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                        |  |  |  |   |  | 1-Feb-2017  |
| 844 | Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite   | 68953-58-2          | D         | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                        |  |  |  |   |  | 1-Feb-2017  |
| 845 | Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides  | 61789-77-3          | D         | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                        |  |  |  |   |  | 1-Feb-2017  |
| 846 | R404A and R507  | Several             | O         | FI    | Scania, Greylist, 20.02.2019  |  |  |  | Cooling agents  |  | 11-Jul-2017 |
| 847 | Radioactive substances (including scrap metal contaminants), all members  |                     | D         | FI    | 2013/59/EURATOM   |  |  |  | High intensity discharge lamps  | Above background radiation   | 10-Jan-2005 |
|     | Plutonium   | 7440-07-5           | D         | FI/LR |   |  |  |  |   |  | 1-Feb-2009  |
|     | Radium  | 7440-14-4           | D         | FI    |   |  |  |  |   |  | 1-Feb-2009  |
|     | Thorium   | 7440-29-1           | D         | FI    |   |  |  |  |   |  | 1-Feb-2009  |
|     | Thorium Dioxide   | 1314-20-1           | D         | FI    |   |  |  |  |   |  | 1-Feb-2011  |
|     | Uranium   | 7440-61-1           | D         | FI    |   |  |  |  |   |  | 1-Feb-2011  |
|     | Uranium Compounds   |                     | D         | FI    |   |  |  |  |   |  | 1-Feb-2012  |

|     |  |                       |              |          |  |  |  |                                 |             |
|-----|--|-----------------------|--------------|----------|--|--|--|---------------------------------|-------------|
| 848 | reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[2-[(2-ethylhexyloxy)-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) |                       | R            |          | Scania, Greylist, 20.02.2019   |  | Stabilizers  |                                 | 17-Dec-2014 |
| 849 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with 20.1% w/w 4-heptylphenol, branched and linear]   |                       | Endocrine, E | FI       | Scania, Greylist, 20.02.2019   |  | Used as a lubricant additive in lubricants and greases.  |                                 | 15-Jan-2018 |
| 850 | Resin acids and Rosin acids, calcium salts   | 9007-13-0             | D            | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |  |  |                                 | 1-Feb-2017  |
|     | Resin acids and Rosin acids, hydrogenated, esters with glycerol  | 65987-13-9            | D            | FI       | Included in list of substances under REACH PACT assessment   |  | adhesives, copper alloys, elastomers, electronics, modified organic natural materials, rayon   |                                 | 1-Feb-2017  |
|     | Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol   | 64365-17-9            | D            | FI       | Included in list of substances under REACH PACT assessment   |  | adhesive, sealant, elastomers, solder flux, textiles, thermoplastics   |                                 | 1-Feb-2017  |
|     | Resin acids and Rosin acids, hydrogenated, methyl esters   | 8050-15-5             | D            | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |  |  |                                 | 1-Feb-2017  |
|     | Resin acids and Rosin acids, sodium salts  | 61790-51-0            | D            | FI       | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |  |  |                                 | 1-Feb-2017  |
| 851 | Selenium and its compounds, all members  |                       | D/P          | FI/FA/LR | Japan Waste Management and Public Cleansing Law  |  | Photorelectronic device, Glass colorant and decolorant, Free-cutting steel, Semiconductor  |                                 | 1-Feb-2006  |
|     | Arsenic selenide (As <sub>2</sub> Se <sub>3</sub> )  | 1303-36-2             | D            | FA       |  |  |  |                                 | 1-Feb-2014  |
|     | Barium selenite  | 13718-59-7            | D            | FI       |  |  |  |                                 |             |
|     | Beryllium selenide (BeSe)  | 12232-25-6            | D            | FI       |  |  |  |                                 | 1-Feb-2014  |
|     | Bis(ethylselenyl)diron tetranitrosyl (BCI)   | 15025-89-5            | D            | FI       |  |  |  |                                 |             |
|     | C.I. Pigment Orange 20 (Cadmium sulfoselenide orange)  | 12656-57-4            | P            | LR       |  |  |  |                                 | 1-Feb-2012  |
|     | C.I. Pigment Red 108 Cadmium sulfoselenide red   | 58339-34-7            | P            | LR       |  |  |  |                                 | 1-Feb-2012  |
|     | Cadmium selenide (CdSe)  | 1306-24-7             | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped  | 101357-00-0           | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped   | 101357-01-1           | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped   | 101357-02-2           | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped   | 101357-03-3           | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped   | 101357-04-4           | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cadmium selenide sulfide (Cd <sub>2</sub> Se <sub>3</sub> S)   | 12626-36-7            | P            | LR       |  |  |  |                                 | 1-Feb-2012  |
|     | Cadmium selenide sulfide (Cd <sub>2</sub> Se <sub>2</sub> S)   | 12214-12-9            | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cadmium selenide sulfide (CdSe <sub>0.53</sub> SO <sub>0.47</sub> )  | 71243-75-9            | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cadmium selenide sulfide, (Cd <sub>2</sub> Se <sub>2</sub> S)  | 12213-70-6            | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cadmium selenide sulphide  | 11112-63-3            | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Cobalt selenide (CoSe)   | 1307-99-9             | D            | FI       |  |  |  |                                 | 1-Feb-2014  |
|     | Cobalt(2+) selenite  | 10026-23-0            | D            | FI       |  |  |  |                                 | 1-Feb-2014  |
|     | Dimethylselenide   | 593-79-3              | D            | FI       |  |  |  |                                 |             |
|     | Hydrogen selenide  | 7783-07-5             | D            | FI       |  |  |  |                                 |             |
|     | Iron selenide  | 1310-32-3             | D            | FI       |  |  |  |                                 |             |
|     | Lead selenate  | 7446-15-3             | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Lead selenide (PbSe)   | 12069-00-0            | P            | LR       |  |  |  |                                 | 1-Feb-2012  |
|     | Lead selenite  | 7498-51-9             | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Mercury selenide (HgSe)  | 20601-83-6            | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Nickel selenate  | 15060-62-5            | D            | FI       |  |  |  |                                 | 1-Feb-2012  |
|     | Nickel selenide  | 1314-05-2             | D            | FI       |  |  |  |                                 | 1-Feb-2012  |
|     | Nickel(2+) selenite  | 10101-96-9            | D            | FI       |  |  |  |                                 | 1-Feb-2012  |
|     | Selenic acid   | 7783-08-6             | D            | FI       |  |  |  |                                 | 1-Feb-2014  |
|     | Selenic acid, cadmium salt (1:1)   | 13814-62-5            | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Selenic acid, cobalt(2+) salt (1:1)  | 14590-19-3            | D            | FI       |  |  |  |                                 | 1-Feb-2014  |
|     | Selenious acid   | 7783-00-8             | D            | FI       |  |  |  |                                 |             |
|     | Selenious acid, cadmium salt (1:1)   | 13814-59-0            | D/P          | LR       |  |  |  |                                 | 1-Feb-2014  |
|     | Selenium   | 7782-49-2             | D            | FI       |  |  |  |                                 |             |
|     | Selenium dioxide   | 7446-08-4             | D            | FI       |  |  |  |                                 |             |
|     | Selenium hexafluoride  | 7783-79-1             | D            | FI       |  |  |  |                                 |             |
|     | Selenium oxide   | 12640-89-0            | D            | FI       |  |  |  |                                 |             |
|     | Selenium sulfide   | 7446-34-6             | D            | FI       |  |  |  |                                 |             |
|     | Sodium-selenite  | 10102-18-8            | D            | FI       |  |  |  |                                 | 1-Feb-2012  |
|     | Thallium selenide (Tl <sub>2</sub> Se)   | 15572-25-5            | D            | FI       |  |  |  |                                 | 1-Feb-2014  |
|     | Thallium(I) selenide   | 12039-52-0            | D            | FI       |  |  |  |                                 | 1-Feb-2014  |
|     | Zinc selenide  | 1315-09-9             | D            | FI       |  |  |  |                                 |             |
| 852 | Short chain chlorinated paraffins (C10-13)   | 85535-94-8            | PBT, vPvB    |          | Scania, Blacklist, 20.02.2019  |  | Oils, Fire retardants  |                                 | 18-Nov-2008 |
| 853 | Silica, crystalline  | 14808-60-7            | D            | FA       | IARC Group 1 Carcinogen, US National Toxicology Program Probable Human carcinogen                                  |  | Friction applications only   | any intentionally added content | 1-Feb-2008  |
| 854 | Silicic acid, barium-salt (1:2), lead-doped  | 68784-75-8            | R            |          | Scania, Greylist, 20.02.2019   |  | Coating of bulbs   |                                 | 19-Dec-2012 |
| 855 | Silicic acid, lead salt  | 11120-22-2            | R            |          | Scania, Greylist, 20.02.2019   |  | Glass and ceramics   |                                 | 19-Dec-2012 |
| 856 | silicalumino refractory ceramic fibers   | 142844-00-6; 66402-5  | P / D / C    | FI       | Kubota 2014/ Renault 2007; Volvo 2015/ Renault 2007  |  | Volvo 2012: Insulation materials: The prohibition refers to RCF fibres extracted from index number 650-017-00-8 fulfilling the criteria set forth in the REACH Candidate List. High-temperatures insulation applications are exempt from this prohibition. |                                 |             |
| 857 | Silicones  |                       | D / P        | FI       | Bosch 2009   |  | Bosch 2012: limit value valid only for business division Drive and Control Technology (Bosch Rexroth AG and affiliates): 0,1 m% in coating materials for the lacquer; (tab 9) classification "P";  |                                 |             |
| 858 | Sodium azide   | 26628-22-8            | D            | FI       |  |  | Pyrotechnical compound   |                                 | 10-Jan-2005 |
| 859 | sodium chlorate  | 7775-09-9             | M            |          | Renault 2007   |  |  |                                 |             |
| 860 | Sodium chromate  | 7775-11-3             | C, M, R, A   |          | Scania, Greylist, 20.02.2019; Renault 2007   |  | Surface treatment  |                                 | 18-Nov-2008 |
| 861 | Sodium dichromate dihydrate  | 7789-12-0, 10588-01-9 | C, M, R      |          | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007  |  | Surface treatment Raw material for pigment   |                                 | 18-Nov-2008 |

|     |   |   |                |       |  |  |  |  |             |
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| 862 | sodium hypochlorite   | 7681-52-9                               | D              | FI    | Renault 2007   |  |  |  |             |
| 863 | Sodium perborate; perboric acid, sodium salt  | 15120-21-511138-47-9                    | R              |       | Scania, Greylist, 20.02.2019   |  |  | Bleach in laundry and dishwasher detergents  | 16-Jun-2014 |
| 864 | Sodium peroxometaborate   | 7632-04-4,<br>10332-33-9,<br>10486-00-7 | R              |       | Scania, Greylist, 20.02.2019   |  |  | Bleach in laundry and dishwasher detergents  | 16-Jun-2014 |
| 865 | Strontium chromate  | 7789-06-02                              | C              |       | Scania, Greylist, 20.02.2019; Renault 2007   |  |  | Pigment  | 26-Feb-1998 |
| 866 | Styrene ( Vinyl benzene )   | 100-42-5                                | D              | FI    | EU Risk Assessment   |  |  | Residual monomer in ABS-, Polystyrene-, SMC-, UPE- resin   | 10-Jan-2005 |
| 867 | Styrene oxide (Epoxy styrene)   | 96-09-3                                 | D              | FI    | Reg. (EC) No 1272/2008   |  |  | Residual monomer   | 10-Jan-2005 |
| 868 | Succinic anhydride, octadecenyl-  | 28777-98-2                              | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 869 | Sulfonic acids, C10-18-alkane, phenyl esters  | 70775-94-9                              | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 870 | Sulfonic acids, petroleum, barium salts   | 61790-48-5                              | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 871 | Sulfonic acids, petroleum, calcium salts  | 61789-86-4                              | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 872 | Sulfonic acids, petroleum, calcium salts, overbased   | 68783-96-0                              | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 873 | Sulfonic acids, petroleum, magnesium salts  | 61789-87-5                              | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 874 | Sulfonic acids, petroleum, sodium salts   | 68608-26-4                              | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 875 | Sulfur hexafluoride   | 2551-62-4                               | D/P            | FI/LR | EC No. 842/2006  |  |  | Vehicle applications (e.g. tire inflator systems)  | 10-Jan-2005 |
| 876 | Sulfurous acid, lead salt, dibasic  | 62229-08-7                              | R              |       | Scania, Greylist, 20.02.2019   |  |  | Plastic products   | 19-Dec-2012 |
| 877 | Tall Oil  | 8002-26-4                               | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 878 | Tall oil pitch  | 8016-61-7                               | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 879 | Tar, coal; Coal tar; [The by-product from the destructive distillation of coal. Almost black semisolid. A complex combination of aromatic hydro-carbons, phenolic compounds, nitrogen bases and thiophene.] | 8007-45-265996-91-0                     | P / D / C      | FI    | Scania 2014/ Kubota 2014/ Renault 2007   |  |  | Scania 2014: Filler; Distillation product, filter; Renault 2007: Wood treatment  |             |
| 880 | terbutryn   | 886-50-0                                | D              | FI    | Renault 2007   |  |  | Renault 2010: Biocide  |             |
| 881 | Terphenyl, hydrogenated   | 61788-32-7                              | D              | LR    | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  | Used as additive in plastic materials, adhesives and sealants, and paints  | 1-Feb-2019  |
| 882 | Terphenyl, hydrogenated   | 61788-32-7                              | vPvB           |       | Scania, Greylist, 20.02.2019   |  |  | Used as a plastic additive, solvent, in coatings/inks, in adhesives and sealants, and heat transfer fluids.  | 27-Jun-2018 |
| 883 | Tetra-, penta-, hexa- and hepta-bromodiphenyl ether (BDE)   |   | P              | FI    | Bosch 2009   |  |  | Bosch 2012: prohibition to use; exceptions see regulation; flame retardants  |             |
| 884 | Tetraboron disodium heptaoxide, hydrate   | 12267-73-1                              | R              |       | Scania, Greylist, 20.02.2019   |  |  | Cutting fluids, Cleaning fluids  | 20-Oct-2010 |
| 885 | Tetrabromobisphenol A (TBPA)  | 79-94-7                                 | D              | FI    | EU risk assessment   |  |  | Flame retardants in polymers, textiles etc.  | 10-Jan-2005 |
| 886 | tetrabromodiphenyl ether; Tetrabromophenoxybenzene)   | 40088-47-9                              | D / P          | FI    | Kubota 2014/ Renault 2007  |  |  | Renault 2007: flame retardant  |             |
| 887 | tetracarbonylnickel; Nickel carbonyl  | 13463-39-3                              | P / D / C      | FI    | Kubota 2014/ Renault 2007  |  |  |  |             |
| 888 | Tetrachlorobenzene, all members   |   | P              | LR    | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24 |  |  | Any intentionally added content  | 1-Feb-2008  |
|     | 1,2,3,4-tetrachlorobenzene  | 634-66-2                                | P              | LR    |  |  |  |  | 1-Feb-2008  |
|     | 1,2,3,5-Tetrachlorobenzene (Benzene, 1,2,3,5-tetrachloro-)  | 634-90-2                                | P              | LR    |  |  |  |  | 1-Feb-2008  |
|     | Benzene, tetrachloro-   | 12408-10-5                              | P              | LR    |  |  |  |  | 1-Feb-2012  |
|     | 1,2,4,5- tetrachlorobenzene   | 95-94-3                                 | P              | LR    |  |  |  |  | 1-Feb-2008  |
| 889 | Tetrachloroethylene   | 127-18-4                                |                |       | Scania, Blacklist, 20.02.2019  |  |  | Solvent  | 24-Feb-1998 |
| 890 | Tetrachloromethane (Tetrachlorocarbon) / Carbon tetrachloride   | 56-23-5                                 | P              | FI    | Scania 2014/ Kubota 2014/ Renault 2007   |  |  | Scania 2014: Solvent; Cleaners, solvents, impregnating/proofing agents, residual solvents in processed chemicals; (Scania, 30.6.10) solvents; (Ford, 2010); all products |             |
| 891 | tetraethylammonium perfluorooctanesulfonate/ Tetraethylammoniumheptafluorooctanesulfonate, (PFOS)   | 56773-42-3                              | P              | FI    | Kubota 2014/ Renault 2007  |  |  |  |             |
| 892 | Tetraethyllead  | 78-00-2                                 | R              |       | Scania, Greylist, 20.02.2019   |  |  | pressure accumulator   | 19-Dec-2012 |
| 893 | Tetrafluoro-methane   | 75-73-0                                 | D/P            | FI/LR | Reg. (EC) No. 842/2006   |  |  |  | 1-Feb-2008  |
| 894 | Tetralead trioxide sulphate   | 12202-17-4                              | R              |       | Scania, Greylist, 20.02.2019   |  |  | Plastic products, Lead batteries   | 19-Dec-2012 |
| 895 | Tetraphenyl m-phenylene bis(phosphate)  | 57583-54-7                              | D              | FI    | Included in list of substances under REACH PACT assessment   |  |  | Flame retardant  | 1-Feb-2018  |
| 896 | tetrasodium ethylenediaminetetraacetate   | 64-02-8                                 | D              | FI    | Renault 2007   |  |  |  |             |
| 897 | Thallium  | 7440-28-0                               | D              | FI    | Reg. (EC) No 1272/2008   |  |  |  | 10-Jan-2005 |
| 898 | Thiocarbamide   | 62-56-6                                 | D              | LR    | Scania, Blacklist, 20.02.2019  |  |  | Rubbers, Plastics  | 24-Feb-1998 |
| 899 | Thioperoxydicarbonic diamide ((H2N)C(S)2S2), tetramethyl-   | 137-26-8                                | D/P            | LR    | Japan Waste Management and Public Cleansing Law Reg. (EU) No 528/2012 See GADSL Reference Biocide  |  |  | Vulcanization accelerator for rubber   | 10-Jan-2005 |
| 900 | Thiram; Tetramethylthiuram disulphide;  | 137-26-8                                | D              | FI    | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020)                           |  |  |  | 1-Feb-2017  |
| 901 | Toluene   | 108-88-3                                | D              | FI    | Reg. (EC) No 1272/2008, Toxic for reproduction-Category 3, Possible risk of harm to the unborn child. Reg. (EC) No 552/2009                  |  |  | Residues in adhesives and paints.  | 1-Feb-2008  |
| 902 | Toluene diisocyanate (2,4-)   | 584-84-9                                | A, (asthma), C | FI    | Scania, Greylist, 20.02.2019   |  |  | PUR foams Adhesives  | 26-Feb-1998 |
| 903 | Toluene diisocyanate (2,6-)   | 91-08-07                                | A,C            | FI    | Scania, Greylist, 20.02.2019   |  |  | PUR foams Adhesives  | 26-Feb-1998 |



|     |  |            |         |    |  |  |  |   |             |
|-----|--|------------|---------|----|--|--|--|---|-------------|
| 904 | trans-nonachlor  | 39765-80-5 | D       | FI | Renault 2007   |  |  |   |             |
| 905 | triadimeton  | 43121-43-3 | D       | FI | Renault 2007   |  |  |   |             |
| 906 | tribromodiphenyl ether   | 49690-94-0 | D / C   | FI | Ford 2013/ Kubota 2014/ Renault 2007   |  |  | (Ford 2013): All Products; Renault 2007: flame retardant  |             |
| 907 | tributyltin maphtenate/ Mixture of tributyltin-cyclopentanecarboxylate and its analogous compounds   | 85409-17-2 | D / C   | FI | Kubota 2014/ Renault 2007  |  |  |   |             |
| 908 | tributyltin oxide/ Bis(tributyltin) oxide (TBTO)   | 56-35-9    | D / P   | FI | Kubota 2014/ Renault 2007  |  |  | antifouling paint, wood protection bactericide, biocide; (Scania, 2010); cooling water  |             |
| 909 | trichlorobenzene   | 12002-48-1 | P / C   | FI | Kubota 2014/ Renault 2007  |  |  | (Ford, 2010); all products in the European Union  |             |
| 910 | Trichloroethylene  | 79-01-6    | C       | FI | Scania, Greylist, 20.02.2019; Renault 2007   |  |  | Solvent   | 26-Feb-1998 |
| 911 | Trichloromethane (Chloroform)  | 67-66-3    | P / C   | FI | Scania 2014/ Kubota 2014/ Bosch 2009/ Renault 2007   |  |  | Bosch 2012: Prohibited with exceptions; used as solvent; / CFC manufacturing; (Bosch, Renault 2007): Prohibited with exceptions; (Ford, 2010); classification "P" diffuse applications, cleaning and/or products for sale to the general public in the European Union; classification "D": all products |             |
| 912 | Trichlorophenol and its salts, all members   |            | D       | FI | Reg. (EC) No 1272/2008   |  |  | Biocide (e.g. preservative for leather and textiles)  | 10-Jan-2005 |
| 913 | 2,4,5-Trichlorophenol  | 95-95-4    | D       | FI | (EC) No 1272/2008  |  |  |   | 10-Jan-2005 |
| 914 | 2,4,6-Trichlorophenol  | 88-06-2    | D       | FI | (EC) No 1272/2008  |  |  |   | 10-Jan-2005 |
| 915 | Trichloropropane (1,2,3-Trichloropropane)  | 96-18-4    | D       | LR | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH Candidate List)   |  |  | As solvent and as trifunctional cross-linking agent e.g. for polysulphide elastomers  | 10-Jan-2005 |
| 916 | Tricosaffluorododecanoic acid  | 307-55-1   | vPvB    |    | Scania, Greylist, 20.02.2019   |  |  |   | 19-Dec-2012 |
| 917 | Triethyl arsenate  | 15606-95-8 | N, C, E |    | Scania, Greylist, 20.02.2019; Kubota 2014/ Bosch 2009  |  |  | Wood preservative, Drying agent   | 18-Nov-2008 |
| 918 | Trilead bis(carbonate)dihydroxide  | 1319-46-6  | R       |    | Scania, Greylist, 20.02.2019   |  |  |   | 19-Dec-2012 |
| 919 | Trilead bis(carbonate)dihydroxide  | 1317-36-8  | R       |    | Scania, Greylist, 20.02.2019   |  |  | Lead batteries, glass and ceramics  | 19-Dec-2012 |
| 920 | Trilead diarsenate   | 3687-31-8  | C, R    |    | Scania, Greylist, 20.02.2019   |  |  |   | 3-Jan-2012  |
| 921 | Trilead dioxide phosphonate  | 12141-20-7 | R       |    | Scania, Greylist, 20.02.2019   |  |  | Plastic products  | 19-Dec-2012 |
| 922 | Trimethylphosphate   | 512-56-1   | D       | FI | Reg. (EC) No 552/2009  |  |  | Flame retardant   | 10-Jan-2005 |
| 923 | tri-n-butyltin hydride/ Tributyltin (and salts and esters)   | 688-73-3   | D / C   | FI | Kubota 2014/ Renault 2007  |  |  |   |             |
| 924 | Triorganotin compounds, all members  |            | P       | LR | Reg. (EC) No 552/2009, Reg. (EC) No 1272/2008, Reg. (EC) No 1907/2006 (REACH) Japan Chemical Substances Control Law [Class I], Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale of any TBT effective January 1, 2013 except TBTs with the grouping (C4H9)4Sn which are permitted up to a max concentration of 30% (w/w). |  |  | Biocides  | 10-Jan-2005 |
|     | (2-BIPHENYLOXY)TRIBUTYL TIN  | 3644-37-9  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | (Chloroacetoxy)triphenylstannane   | 7094-94-2  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | [1R-(1.alpha.,4a.beta.,4b.alpha.,10a.alpha.)]-Tributyl[[[1,2,3,4,4a,4b,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthryl]carbonyloxy]stannane | 26239-64-5 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | 1,3,5-TRIS(TRIBUTYL TIN)-S-TRIAZINE 2,4,6-TRIONE   | 752-58-9   | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | 2-BUTENOIC ACID, 4-OXO-4- (TRIBUTYLSTANNYL)OXY-  | 4027-18-3  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | BIS(TRIBUTYL TIN) ITACONATE  | 25711-26-6 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Bis(tributyltin)oxide  | 56-35-9    | P       | LR | Reg. (EC) No 1907/2006 (REACH Candidate List)  |  |  |   | 10-Jan-2005 |
|     | Bis(tris(2-methyl-2-phenylpropyltin) oxide   | 13356-08-6 | P       | LR | Japan Chemical Substances Control Law [Class I]  |  |  |   | 1-Feb-2012  |
|     | Bis(tributyltin) maleate   | 14275-57-1 | P       | LR |  |  |  |   | 1-Feb-2012  |
|     | Bis(tributyltin)phthalate  | 4782-29-0  | P       | LR |  |  |  |   |             |
|     | Bis(tributylstannyl)Fumarate   | 6454-35-9  | P       | LR |  |  |  |   |             |
|     | Bromotrimethylstannane   | 1066-44-0  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | P-NITROPHENOXYTRIBUTYL TIN   | 3644-32-4  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Stannane, acetoxytriphenyl-  | 909-95-9   | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Stannane, bromotriethyl-   | 2767-54-6  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Stannane, fluorotriphenyl-   | 379-52-2   | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Stannane, tributylfluoro-  | 1983-10-4  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyl(lauroyloxy)stannane   | 3090-36-6  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyl(neodecanoyloxy)stannane   | 28801-69-6 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyl(oleoyloxy)stannane  | 3090-35-5  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin  | 56573-85-4 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin (and salts and esters)   | 688-73-3   | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin .alpha.-(2,4,5-trichlorophenoxy) propionate  | 73940-89-3 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin .beta.-iodopropionate  | 73927-95-4 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | TRIBUTYL TIN 2-ETHYLHEXANOATE  | 5035-67-6  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin acetate  | 56-36-0    | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin Acrylate   | 13331-52-7 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin benzoate   | 4342-36-3  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin bromide  | 1461-23-0  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin chloride   | 1461-22-9  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | TRIBUTYL TIN CHLOROACETATE   | 5847-52-9  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin cinnamate  | 27147-18-8 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | TRIBUTYL TIN CYANATE   | 4027-17-2  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | TRIBUTYL TIN CYANIDE   | 2179-92-2  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin dimethyldithiocarbamate  | 20389-82-5 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | TRIBUTYL TIN GAMMA-CHLOROBUTYRATE  | 33550-22-0 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin hydroxide  | 1067-97-6  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin iodide   | 7342-47-4  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin iodoacetate  | 73927-91-0 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin isooctylthioacetate  | 73927-97-6 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | TRIBUTYL TIN ISOPROPYL SUCCINATE   | 53434-82-3 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin isothiocyanate   | 681-99-2   | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin linoleate  | 24124-25-2 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin methacrylate   | 2155-70-6  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | TRIBUTYL TIN METHANESULFONATE  | 13302-06-2 | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin methoxide  | 1067-52-3  | P       | LR |  |  |  |   | 10-Jan-2005 |
|     | Tributyltin monopropylene glycol maleate   | 53466-85-6 | P       | LR |  |  |  |   | 10-Jan-2005 |

|     |   |             |       |    |   |           |                                 |  |  |             |
|-----|---|-------------|-------|----|---|-----------|---------------------------------|--|--|-------------|
|     | TRIBUTYL TIN NAPHTHENATE  | 36631-23-9  | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tributyltin naphthenate   | 85409-17-2  | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tributyltin nonanoate   | 4027-14-9   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | TRIBUTYL TIN O-iodobenzoate   | 73927-93-2  | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | TRIBUTYL TIN P-iodobenzoate   | 73940-98-2  | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tributyltin sulfamate   | 6517-25-5   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | TRIBUTYL TIN UNDECYLENATE   | 69226-47-7  | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | 1-(Tricyclohexylstannyl)-1H-1,2,4-triazole  | 41083-11-8  | P     | LR |   |           |                                 |  |  | 1-Feb-2012  |
|     | Triethyltin acetate   | 1907-13-7   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Triethyltin chloride  | 994-31-0    | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Triethyltin hydroxide   | 994-32-1    | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Triethyltin iodide  | 2943-86-4   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Triethyltin phenoxide   | 1529-30-2   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Trimethyltin acetate  | 1118-14-5   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Trimethyltin azide  | 1118-03-2   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Trimethyltin chloride   | 1066-45-1   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Trimethyltin hydroxide  | 56-24-6     | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Trimethyltin iodide   | 811-73-4    | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Trimethyltin sulphate   | 63869-87-4  | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Trimethyltin thiocyanate  | 4638-25-9   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tri-n-butyl tin salicylate  | 4342-30-7   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Triphenylstannyll decanoate   | 47672-31-1  | P     | LR |   |           |                                 |  |  | 1-Feb-2012  |
|     | Triphenyltin chloride   | 639-58-7    | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Triphenyltin dimethylthiocarbamate  | 1803-12-9   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Triphenyltin hydride  | 892-20-6    | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Triphenyltin hydroxide  | 76-87-9     | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Triphenyltin iodide   | 894-09-7    | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tripropyltin acetate  | 3267-78-5   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tripropyltin bromide  | 2767-61-5   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tripropyltin chloride   | 2279-76-7   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tripropyltin iodide   | 7342-45-2   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tripropyltin iodoacetate  | 73927-92-1  | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tripropyltin laurate  | 57808-37-4  | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tripropyltin methacrylate   | 4154-35-2   | P     | LR |   |           |                                 |  |  | 10-Jan-2005 |
|     | Tricyclohexyl Tin Compounds   |             | P     | LR | EU Index Number 050-012-00-5  |           |                                 |  |  | 1-Feb-2010  |
|     | Triethyl Tin Compounds  |             | P     | LR | EU Index Number 050-006-00-2  |           |                                 |  |  | 1-Feb-2010  |
|     | Trihexyl Tin Compounds  |             | P     | LR | EU Index Number 050-010-00-4  |           |                                 |  |  | 1-Feb-2010  |
|     | Trimethyl Tin Compounds   |             | P     | LR | EU Index Number 050-005-00-7  |           |                                 |  |  | 1-Feb-2010  |
|     | Triocyl Tin Compounds   |             | P     | LR | EU Index Number 050-013-00-0  |           |                                 |  |  | 1-Feb-2010  |
|     | Tripentyl Tin Compounds   |             | P     | LR | EU Index Number 050-009-00-9  |           |                                 |  |  | 1-Feb-2010  |
|     | Triphenyl Tin Compounds   |             | P     | LR | EU Index Number 050-011-00-X  |           |                                 |  |  | 1-Feb-2010  |
|     | Tripropyl Tin Compounds   |             | P     | LR | EU Index Number 050-007-00-8  |           |                                 |  |  | 1-Feb-2010  |
| 925 | Triphenylphosphate  | 115-86-6    | D     | FA | Flame retardant under review  |           |                                 |  | Flame retardant  | 10-Jan-2005 |
| 926 | triphenyltin chloride   | 639-58-7    | D / C | FI | Kubota 2014/ Renault 2007   |           |                                 |  |  |             |
| 927 | Triphenyltinhydroxide   | 76-87-9     | D / C | FI | Kubota 2014/ Renault 2007   |           |                                 |  |  |             |
| 928 | Tris(1,3-dichloro-2-propyl)phosphate  | 13674-87-8  | D     | FA | US California Prop 65 notify/labelling will be required, but not eliminated at this time<br><a href="http://oehha.ca.gov/prop65/background/p65plain.html">http://oehha.ca.gov/prop65/background/p65plain.html</a> |           |                                 |  |  | 1-Feb-2012  |
| 929 | Tris(1-aziridinyl) phosphine oxide  | 545-55-1    | P     | LR | Dir. 83/264/EEC   |           |                                 |  | Flame retardant  | 10-Jan-2005 |
| 930 | Tris(1-aziridinyl) phosphine oxide  | 545-55-1    | P     | FI | Volvo 2012/ Volvo 2014/ Renault 2007/Kubota 2014  |           |                                 |  | Volvo 2014: Flame retardants; Bosch 2012: prohibited; occurring in textiles; / Volvo 2012: Flame retardant; / (4.9.08) Ford: all products; (26.09.08) Renault: flame retardant for textiles              |             |
| 931 | Tris(2,3-dibromopropyl)phosphate (TRIS)   | 126-72-7    | P     | LR | Dir. 79/663/EEC   |           |                                 |  | Flame retardant  | 10-Jan-2005 |
| 932 | Tris(2-chloro-1-methylethyl) phosphate  | 13674-84-5  | D     | FI | Included in list of substances under REACH PACT assessment  |           |                                 |  | Harness, leather, sealer, adhesive   | 1-Feb-2018  |
| 933 | Tris(2-chloroethyl)phosphate  | 115-96-8    | D/P   | LR | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH Annex XIV)   | 21-Aug-15 | REACH Authorisation Sunset Date |  | Flame retardant  | 10-Jan-2005 |
| 934 | tris(2-ethylhexyl)-benzene-1,2,4-tricarboxylate                                   | 3319-31-1   | D     | FI | Included in list of substances under REACH PACT assessment  |           |                                 |  | Elastomers / elastomeric compounds, unfilled Thermoplastics, Plastics (in polymeric compounds), Textiles (in polymeric compounds)  | 1-Feb-2017  |
| 935 | Tris(methylphenyl) phosphate  | 1330-78-5   | D     | FI | Included in list of substances under REACH PACT assessment  |           |                                 |  | Adhesives, sealants; Lubricants; Unfilled Thermoplastics; Elastomers / elastomeric compounds   | 1-Feb-2017  |
| 936 | Tris(nonylphenyl) phosphite (TNPP)  | 26523-78-4  | D     | FI | Included in list of substances under REACH PACT assessment  |           |                                 |  | Adhesives, sealants; Elastomers / elastomeric compounds  | 1-Feb-2017  |
| 937 | Trischloroethylphosphate (-2)   | 115-96-8    | R     | FI | Scania, Greylist, 20.02.2019  |           |                                 |  | Flame retardants in textiles and plastic   | 23-Feb-2010 |
| 938 | Trisubstituted organostannic compounds<br>Tributyltin (TBT)<br>Triphenyltin (TPT) | Several     | E     |    | Scania, Blacklist, 20.02.2019   |           |                                 |  | Cooling water  | 23-Feb-2010 |
| 939 | Trixylyl phosphate  | 25155-23-1  | D     | LR | Reg. (EC) No 1907/2006 (Candidate List)   |           |                                 |  | flame retardant in polymer systems, phosphatizing agent, oil additive  | 1-Aug-2014  |
| 940 | ugilec 121  | 3547-04-4   | P     | FI | Renault 2007  |           |                                 |  |  |             |
| 941 | UVCB-Diamines, all members  |             | D     | FI | Included in list of substances under REACH PACT assessment  |           |                                 |  |  | 1-Feb-2018  |
| 942 | Amines, N-C16-18-alkyl (evennumbered) propane-1,3-diamine                         | 133779-11-0 | D     | FI | Included in list of substances under REACH PACT assessment  |           |                                 |  | Lubricant  | 1-Feb-2018  |
| 943 | Vanadium pentoxide (orthorhombic crystalline form)                                | 1314-62-1   | D     | FI | California Proposition 65   |           |                                 |  | Mainly used as a catalyst  | 1-Feb-2019  |
| 944 | zinc bichromate   | 14018-95-2  | P / R | FI | Kubota 2014/ Renault 2007   |           |                                 |  | Renault 2007: pigment  |             |
| 945 | zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)                              | 4259-15-8   | D     | FI | Included in list of substances under REACH PACT assessment  |           |                                 |  | grease, lubricant, Elastomers / elastomeric compounds  | 1-Feb-2017  |
| 946 | Zinc chromate   | 13530-65-9  |       | FI | Scania, Greylist, 20.02.2019; Kubota 2014/ Renault 2007   |           |                                 |  | Pigment  | 26-Feb-1998 |
| 947 | Zinc chromate hydroxide   | 15930-94-6  | P     | FI | Kubota 2014/ Renault 2007   |           |                                 |  |  |             |
| 948 | Zinc or its compounds   | 7440-66-6   | D     | FI | Bosch 2009  |           |                                 |  | Bosch 2012: limit value valid only for business division Drive and Control Technology (Bosch Rexroth AG and affiliates); 0,1 m% i hydraulic oils; / in lubricants and test media (calculated as element) |             |

|     |  |             |     |    |                              |  |  |   |             |
|-----|--|-------------|-----|----|------------------------------|--|--|---|-------------|
| 949 | Zirconia Aluminosilicate Refractory Ceramic Fiber (Zr-RCF)   |             | C   | FI | Scania, Greylist, 20.02.2019 |  |  |   | 3-Jan-2012  |
| 950 | Zirconia Aluminosilicate, Refractory Ceramic Fibers  |             | C   | FI | Scania, Greylist, 20.02.2019 |  |  |   | 23-Feb-2010 |
| 951 | $\alpha$ - HBCDD   | 134237-50-6 | PBT | FI | Scania, Greylist, 20.02.2019 |  |  | Textiles Plastics                             | 18-Nov-2008 |
| 952 | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 6786-83-0   | C   | FI | Scania, Greylist, 20.02.2019 |  |  | Printing- and writing ink, Windscreen cleaner | 18-Jun-2012 |
| 953 | $\beta$ - HBCDD  | 134237-51-7 | PBT | FI | Scania, Greylist, 20.02.2019 |  |  | Textiles Plastics                             | 18-Nov-2008 |
| 954 | $\gamma$ - HBCDD   | 134237-52-8 | PBT | FI | Scania, Greylist, 20.02.2019 |  |  | Textiles Plastics                             | 18-Nov-2008 |

**Important Notice, please read**

The GADSL document and the reference list use two main classifications to identify regulatory status, declarable (D) and prohibited (P).

There has been some confusion in the user community over the use of the "declarable" classification.

When a substance is classified D three reason codes are possible:

- D/UT: reporting is required by a regulatory agency;
- D/FA: it is being assessed by a regulatory agency for possible but not necessarily probable restriction or;
- D/IF: information is being collected for a non-regulatory purpose.

In the latter two cases the substance may be removed from the list after the evaluation has been completed as is the case with several substances that were evaluated under the Canadian Chemical Challenge because it was determined that no action or restriction on use was necessary to protect human health or the environment.

## Notes:

- D A substance designated "D" must be declared if it exceeds the defined threshold limits. Use of the material is allowed but must be declared per OEM procedures.
- P A substance designated "P" is prohibited for all automotive uses in at least one region / market, or may not exceed a regulated threshold limit for all automotive uses in at least one region / market. Use of this material may be restricted for use.
- D/P A substance designated as "D/P" has both allowed uses and prohibited uses in at least one region/market. Substances marked D/P and P must also be declared if they are present above the stipulated threshold (e.g. 0.1%). This material may be restricted for use.
- LR A substance legally regulated (LR) because its use in a vehicle part or material poses a significant risk to health and/or the environment. Refer to the "Substance Source/Family Source" field for more information. This should not be construed to mean that the substance is prohibited from being used in a vehicle part or is to be deselected.
- FA A substance for assessment (FA), proposed to be regulated by government agencies, upon decision by the GADSL Steering Committee. This should not be construed to mean that the substance is prohibited from being used in a vehicle part or is to be deselected.
- FI A substance tracked for information purposes only (FI), upon decision by the GADSL Steering Committee. An automobile manufacturer may include an individual substance or family of substances on the list under this (FI) reason code. This should not be construed to mean that the substance is prohibited from being used in a vehicle part or is to be deselected.