



European
Automobile
Manufacturers
Association

Mr. Jack de Bruijn
Director Risk Management
ECHA
Annankatu 18, P.O. Box 400
FI-00121 Helsinki, Finland

Brussels, 19th December 2017

Subject: Annex XIV – Candidate list substances

Dear Mr de Bruijn,

The European Automotive Industry wishes to highlight its concern regarding the identification of Substances of Very High Concern (SVHC). Vehicle manufacturers, as well as their partners in the supply chain, would like to draw your attention to the increasing number of SVHCs without unique identifiers included in the Public Activities Coordination Tool (PACT), the Registry of Intentions or the following authorisation process. The naming of some of these chemicals is highly variable. Even if rules for a common naming exist, chemical substances may have names which even specialists have difficulties in deciphering, particularly for substances with more than only one nomenclature. Evidence for this has been found during the past registration phases, when even chemical manufacturers have struggled to agree on common substance identities. The difficulty in agreeing on a nomenclature for diverse substances now also impedes the industry's ability to comply with its communication and notification obligations under REACH articles 33 and 7(2).

The automotive industry, as well as other industry sectors, have been using for many years well-known and well established international identification systems of chemicals like CAS or EINECS to name and identify substances. Company and sector specific substance databases need these unique identifiers to operate and to simplify the exact identification of substances.

There are however more and more substance entries in the above-mentioned REACH processes and lists without a comprehensive provision of their substance identifiers. Without such identifiers it however becomes difficult for industry to do the necessary preparation for supporting the different legislative steps under the REACH Titles of Authorisation and Restriction.

Statements from the German government are increasing the risk of incompliance even more. According to Germany, e.g. the Candidate List references on the ECHA webpage are only a non-exhaustive and exemplary listing of relevant SVHCs and thus does not lead to full compliance when only considering these CAS numbers in the fulfillment e.g. of Art 33 or 7.2. There are additional references provided in the accompanying documentations (i.e. the Annex XV Dossiers) which, acc. to Germany will have to be taken into consideration as well. This challenge however will be minor compared to the one that substances listed on Annex XIV would fall under the same principle.

A major part of our REACH duties is relying on an accurate communication of substance information throughout our complex automotive supply chain. The quality of this communication and thus the level of compliance heavily depends on the competence larger suppliers as well as SMEs, which are playing a very important role in our industry. Most SMEs however do not have sufficient chemical knowledge and capacities to investigate and communicate all relevant substances without a clear



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guidance from legislation, which unfortunately is not available. Again, this stresses that the need to have access to information on unique identifiers is of utmost importance.

In order to improve the quality of information, the ACEA Task Force REACH has reviewed the documents published on the ECHA webpage in order to get a clearer understanding of those CAS or EC numbers, that are directly or indirectly included in the Candidate list and other lists.

Based on this approach, we tried to find CAS or EC numbers for those entries without any identifiers, or, where not all identifiers were mentioned compared to the Annex XV dossiers, substances which might have multiple CAS numbers for e.g. Isomers. In addition, we searched for CAS numbers for entries of so called chemicals of unknown or variable composition (UVCB).

Please find the outcome of this exercise attached to this letter.

The ACEA TF would like to recommend to its sector this list as the complete and comprehensive source for any surveys, queries and communications with regard to the above-mentioned obligations of the REACH legislation. We furthermore already have started related discussions with other sectors in order to make this approach a cross industry initiative.

We would highly appreciate approval of the outcome of our investigation as well as guidance from ECHA, the EU Commission and the member states on how to further improve our approach.

Best regards,

A handwritten signature in black ink, appearing to read 'Jens Warsen', written in a cursive style.

Jens Warsen
ACEA Environmental Policy Director

CAS list based on Candidate list as of **July 2017**. Initial entries highlighted in green. CAS added by ACEA highlighted in red.

ACEA CLS CAS October 2017 Version 3

Name	CAS Number
Nitrobenzene	98-95-3
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-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
[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
[Phthalato(2-)]dioxotrilead	69011-06-9
1,2,3-trichloropropane	96-18-4
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)	68515-51-5
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)	68648-93-1
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4
1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	68515-50-4
1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	71850-09-4
1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	84-75-3
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	112-49-2
1,2-Dichloroethane	107-06-2
1,2-Diethoxyethane	629-14-1
1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	110-71-4

1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9
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
1,3-propanesultone	1120-71-4
1-bromopropane (n-propyl bromide)	106-94-5
1-Methyl-2-pyrrolidone (NMP)	872-50-4
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1
2,2'-dichloro-4,4'-methylenedianiline	101-14-4
2,4-Dinitrotoluene	121-14-2
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7
2-Ethoxyethanol	110-80-5
2-Ethoxyethyl acetate	111-15-9
2-ethylhexyl 10-ethyl-4,4'-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1
2-Methoxyaniline,o-Anisidine	90-04-0
2-Methoxyethanol	109-86-4
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	2315-61-9
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	2315-67-5
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	2497-59-8
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	9002-93-1
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	9036-19-5
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	9081-99-6
4,4'- Diaminodiphenylmethane (MDA)	101-77-9
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8
4,4'-methylenedi-o-toluidine	838-88-0

4,4'-oxydianiline and its salts	101-80-4
4-Aminoazobenzene	60-09-3
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]	100532-36-3
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]	102570-52-5
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]	1139800-98-8
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]	1824346-00-0
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]	1987-50-4
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]	30784-27-1
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]	30784-31-7
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]	30784-32-8
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]	37872-24-5

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]	6465-71-0
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]	6465-74-3
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]	6863-24-7
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]	71945-81-8
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]	72624-02-3
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]	72861-06-4
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]	854904-92-0
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]	854904-93-1
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]	857629-71-1
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]	861010-65-3

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]	861011-60-1
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]	911370-98-4
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]	911371-06-7
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]	911371-07-8
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	104-40-5
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	142731-63-3
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	17404-66-9
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	186825-36-5
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	26543-97-5
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	30784-30-6
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	52427-13-1
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	104-35-8

4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	127087-87-0
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	14409-72-4
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	156609-10-8
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	20427-84-3
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	26027-38-3
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	27942-26-3
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	27942-27-4
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	34166-38-6
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	37205-87-1
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	68412-54-4

4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	7311-27-5
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	84852-15-3
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	9016-45-9
4-tert-Amylphenol (PTAP)	80-46-6
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]	117933-89-8
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]	186309-28-4
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]	343934-04-3
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]	343934-05-4
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]	676367-02-5
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]	676367-03-6
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]	676367-04-7
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]	676367-05-8
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]	676367-06-9
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]	676367-07-0
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]	676367-08-1

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]	676367-09-2
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2
6-methoxy-m-toluidine (p-cresidine)	120-71-8
Acetic acid, lead salt, basic	51404-69-4
Acids generated from chromium trioxide and their oligomers. Names of the acid: Dichromic acid	13530-68-2
Acids generated from chromium trioxide and their oligomers. Names of the acid: Chromic acid	7738-94-5
Acrylamide	79-06-1
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	108171-26-2
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	61788-76-9
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	68920-70-7
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	71011-12-6
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	84082-38-2
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	84776-06-7
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	85535-84-8
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	85536-22-7
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	85681-73-8
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	97553-43-0
Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	97659-46-6
Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	142844-00-6
Ammonium dichromate	7789-09-5
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
Anthracene	120-12-7
Anthracene oil	90640-80-5
Anthracene oil, anthracene paste	90640-81-6
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2

Anthracene oil, anthracene paste, distn. lights	91995-17-4
Anthracene oil, anthracene-low	90640-82-7
Arsenic acid	7774-41-6
Arsenic acid	7778-39-4
Benzo[a]pyrene	50-32-8
Benzo[def]chrysene	50-32-8
Benzyl butyl phthalate (BBP)	85-68-7
Biphenyl-4-ylamine	92-67-1
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7
Bis(2-methoxyethyl) ether	111-96-6
Bis(2-methoxyethyl) phthalate	117-82-8
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	109945-70-2
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1201677-32-8
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	145538-74-5
Bis(tributyltin) oxide (TBTO)	56-35-9
Bisphenol A	80-05-7
Boric acid	10043-35-3
Boric acid, crude natural	11113-50-1
Cadmium	7440-43-9
Cadmium chloride	10108-64-2
Cadmium chloride*2,5 H ₂ O	7790-78-5
Cadmium fluoride	7790-79-6
Cadmium oxide	1306-19-0
Cadmium sulphate	10124-36-4
Cadmium sulphate	15244-3-6
Cadmium sulphate	31119-53-6
Cadmium sulphate	7790-84-3
Cadmium sulphide	1306-23-6

Calcium arsenate	7778-44-1
Chromium trioxide	1333-82-0
Cobalt dichloride	7646-79-9
Cobalt(II) carbonate	513-79-1
Cobalt(II) diacetate	71-48-7
Cobalt(II) dinitrate	10141-05-6
Cobalt(II) sulphate	10124-43-3
Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride s	102483-85-2
Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride s	109265-67-0
Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride s	117276-22-9
Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride s	85-42-7
Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride s	95327-28-9
Cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride	111720-41-3
Cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride	127946-28-5
Cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride	13149-00-3
Cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride	201815-17-0
Cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride	279240-32-3
Cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride	634193-83-2
Cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride	743438-36-0
Cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	128049-67-2
Cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	14166-21-3
Cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	97233-90-4
Diarsenic pentaoxide	1303-28-2
Diarsenic trioxide	1327-53-3
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3
Diboron trioxide	1303-86-2
Dibutyl phthalate (DBP)	84-74-2

Dibutyltin dichloride (DBTC)	683-18-1
Dichromium tris(chromate)	24613-89-6
Diethyl sulphate	64-67-5
Dihexyl phthalate	84-75-3
Diisobutyl phthalate	84-69-5
Diisopentylphthalate	605-50-5
Dimethyl sulphate	77-78-1
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7
Dioxobis(stearato)trilead	12578-12-0
Dipentyl phthalate (DPP)	131-18-0
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0
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
Disodium tetraborate, anhydrous	12179-04-3
Disodium tetraborate, anhydrous	1303-96-4
Disodium tetraborate, anhydrous	1330-43-4
Fatty acids, C16-18, lead salts	91031-62-8
Formaldehyde, oligomeric reaction products with aniline	25214-70-4
Formamide	75-12-7
Furan	110-00-9
Henicosaflluoroundecanoic acid	110961-38-1
Henicosaflluoroundecanoic acid	2058-94-8
Heptacosaflluorotetradecanoic acid	376-06-7
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	134237-50-6
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	134237-51-7
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	134237-52-8

Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	3194-55-6
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	19438-60-9
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	48122-14-1
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	57110-29-9
Hydrazine	302-01-2
Hydrazine	7803-57-8
Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7
Lead bis(tetrafluoroborate)	13814-96-5
Lead chromate	7758-97-6
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8
Lead cyanamidate	20837-86-9
Lead di(acetate)	301-04-2
Lead diazide, Lead azide	13424-46-9
Lead dinitrate	10099-74-8
Lead dipicrate	6477-64-1
Lead hydrogen arsenate	7784-40-9
Lead monoxide (lead oxide)	1317-36-8
Lead oxide sulfate	12036-76-9

Lead styphnate	15245-44-0
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2
Lead titanium trioxide	12060-00-3
Lead titanium zirconium oxide	12626-81-2
Lead(II) bis(methanesulfonate)	17570-76-2
Lead(II) bis(methanesulfonate)	17570-76-2
Methoxyacetic acid	625-45-6
Methyloxirane (Propylene oxide)	75-56-9
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1
N,N-dimethylacetamide (DMAC)	127-19-5
N,N-dimethylformamide	114057-15-7
N,N-dimethylformamide	68-12-2
N-methylacetamide	79-16-3
Nonadecafluorodecanoic acid (PFDA)	3108-42-7
Nonadecafluorodecanoic acid (PFDA)	3108-42-7
Nonadecafluorodecanoic acid (PFDA)	335-76-2
Nonadecafluorodecanoic acid (PFDA)	335-76-2
Nonadecafluorodecanoic acid (PFDA)	3830-45-3
N-pentyl-isopentylphthalate	776297-69-9
o-aminoazotoluene	97-56-3
Orange lead (lead tetroxide)	1314-41-6
o-Toluidine	95-53-4
Pentacosafuorotridecanoic acid	72629-94-8
Pentadecafluorooctanoic acid (PFOA)	335-67-1
Pentalead tetraoxide sulphate	12065-90-6
Pentazinc chromate octahydroxide	49663-84-5
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	355-46-4
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	3871-99-6
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	41184-65-0



PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	41242-12-0
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	55120-77-9
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	68259-08-5
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	70136-72-0
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	70225-16-0
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	72033-41-1
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	82382-12-5
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	92011-17-1
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	108427-54-9
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	108427-55-0
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	144116-10-9
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	153443-35-7
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	189274-31-5
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	202189-84-2
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	213740-81-9
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	341035-71-0
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	341548-85-4
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	350836-93-0
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	421555-73-9
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	421555-74-0
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	425670-70-8
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	866621-50-3
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	910606-39-2
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	911027-68-4
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	911027-69-5
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	928049-42-7
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	1000597-52-3
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	1187817-57-7
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	1310480-24-0

PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	1310480-27-3
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	1310480-28-4
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	1329995-45-0
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	1329995-69-8
PERFLUOROHEXANE-1-SULPHONIC ACID AND ITS SALTS	1462414-59-0
Perfluorononan-1-oic-acid and its sodium and ammonium saltspropanesultone	21049-39-8
Perfluorononan-1-oic-acid and its sodium and ammonium saltspropanesultone	375-95-1
Perfluorononan-1-oic-acid and its sodium and ammonium saltspropanesultone	4149-60-4
Phenolphthalein	390417-24-0
Phenolphthalein	467-29-8
Phenolphthalein	546094-13-7
Phenolphthalein	57214-20-7
Phenolphthalein	77-09-8
Pitch, coal tar, high temp.	65996-93-2
Potassium chromate	7789-00-6
Potassium dichromate	7778-50-9
Potassium hydroxyoctaoxidizincatedichromate	11103-86-9
Pyrochlore, antimony lead yellow	8012-00-8
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-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	15571-58-1
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	68784-75-8
Silicic acid, lead salt	11120-22-2
Sodium chromate	7775-11-3
Sodium dichromate	10588-01-9
Sodium dichromate	7789-12-0
Sodium perborate,perboric acid, sodium salt	10332-33-9
Sodium perborate,perboric acid, sodium salt	10486-00-7
Sodium perborate,perboric acid, sodium salt	11138-47-9
Sodium perborate,perboric acid, sodium salt	12040-72-1

Sodium perborate,perboric acid, sodium salt	125022-34-6
Sodium perborate,perboric acid, sodium salt	13517-20-9
Sodium perborate,perboric acid, sodium salt	15120-21-5
Sodium perborate,perboric acid, sodium salt	37244-98-7
Sodium perborate,perboric acid, sodium salt	90568-23-3
Sodium peroxometaborate	7632-04-4
Strontium chromate	7789-06-2
Sulfurous acid, lead salt, dibasic	62229-08-7
Tetraboron disodium heptaoxide, hydrate	12267-73-1
Tetraethyllead	78-00-2
Tetralead trioxide sulphate	12202-17-4
Trichloroethylene	79-01-6
Tricosafuorododecanoic acid	307-55-1
Triethyl arsenate	15606-95-8
Trilead bis(carbonate) dihydroxide	1319-46-6
Trilead bis(carbonate) dihydroxide	598-63-0
Trilead diarsenate	3687-31-8
Trilead dioxide phosphonate	12141-20-7
Tris(2-chloroethyl)phosphate	115-96-8
Trixylyl phosphate	25155-23-1
Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	142844-00-6
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0
