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Page 1 of 40	

Product Chemical Content Brochure

onsemiTM

Table of Contents

General	3
onsemi meets the requirements:	3
Product Material Composition	4
Environmentally Restricted Substances	4
Requirements for a third-party analytical test report for RoHS and halogen- free compliance	4
Foundries and Subcontractors.....	6
Packaging Materials	6
Requirements	7
Table 1: Restricted and Reportable Substances	8
Table 3 Candidate List of Substances of Very High Concern (SVHC) under REACH	13
Table 4 - REACH Annex XIV	23
Table 5 - REACH Annex XVII.....	27
APPLICABLE REFERENCE DOCUMENTS	37
REVISION HISTORY	39

Product Chemical Content Brochure

Dear Customer or Supplier

onsemi being, a global manufacturer and supplier of semiconductors, complies with all relevant environmental, safety and health regulations and directives applicable to the country of manufacture and sale.

This brochure contains lists of chemicals that are prohibited in our products. This list is designed to meet onsemi's compliance with all applicable environmental, health and safety regulations of the countries where it operates and does business and with requirement defined in ISO 14001 and 45001. Please see the certification status [here](#). onsemi is focused to comply commonly accepted Industry requirements. It is also in concert with the needs of our customers for environmentally friendly products and in reduction in use of hazardous materials in the manufacture of these products. To help us meet these objectives, we are requiring also our suppliers to restrict the use and content of the listed chemicals in the raw materials and products supplied to onsemi.

onsemi meets the requirements:

- European Union Directive on the Restrictions on use of certain Hazardous Substances 2011/65/EU (RoHS3) and the Directive 2015/863/EU amending Annex II to Directive 2011/65/EU as regards the list of restricted substances,

<https://www.rohsguide.com/>

- REACH (Registration, Evaluation, Authorization and Restriction of Chemical substances) requirements and is committed to provide information about substances in its products as required.

<https://echa.europa.eu/candidate-list-table>

- China's Management Measures on Electronic information Product Pollution Control (China-RoHS) regulation.

<https://www.rohsguide.com/china-rohs.htm>

Product Material Composition

onsemi provides the detailed material composition, based on the homogenous or piece parts contained in its products. This information are available on the following web site by searching for its orderable part numbers: <http://www.onsemi.com/PowerSolutions/MaterialComposition.do>

The material composition table helps to find concentrations of the materials, intentionally-added, and present in significant quantities. The matrix does not list the materials or their quantity, present as impurities, normally found in trace levels in the raw materials used in manufacture of the product.

Environmentally Restricted Substances

onsemi restricts the intentional use and presence of certain substances, known to be toxic and harmful to the environment, in its products. We are providing a list of these materials in Table 1, as we are very certain that many of our customers share these concerns.

Applications of substances listed in Table 2a are restricted by RoHS. Exemptions defined by RoHS applied in our products are stated in technical documentation for each product:

- Exemption 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).
- Exemption 7c-I: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.
- Exemption 10(a): Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass ceramic material, or in a glass ceramic matrix compound.
- Exemption 15: Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages).

In Table 2b are listed homogenous materials used in our products by which is required a Third Party (SGS Lab) Test Report for ROHS and “Halogen-free” Compliance.

Requirements for a third-party analytical test report for RoHS and halogen- free compliance

ROHS substance testing and a report requirement:

(For homogeneous materials to be tested on RoHS restricted substances see Table 2A)

1. Suppliers are required to use an [ISO 17025](#) certified, or equivalent, third party laboratory that is well versed with ROHS compliance and testing protocols to have the samples of materials analyzed annually.
2. For a list of substances, that must be analyzed, reference Table 2A.
3. The test method IEC 62321 must be used for all ROHS substances.
4. For test on Beryllium the required test methods are US EPA 3050B and US EPA 3052.
5. Test results must meet ROHS maximum concentration values (MCVs) specified in Directive 2011/65/EU.
6. Materials need to be tested in the same compositional state as its presence in the final product. Wet materials must be dried or cured to simulate the state in the finished product since regulated substance concentration may change from wet to dry.
 - If test reports are provided in the non-cured and cured-state, such as die attach epoxies, then the reports for the cured material will have a two-year expiration.
7. The report must contain a picture of the specimen tested
8. The test will be repeated annually, and a new report will be submitted to **onsemi**

Suppliers claiming “halogen-free” materials must provide an analytical test report that will meet the following standards and conditions (For die attach, solder pastes, mold compounds, substrates, solder mask and polyimide materials):

9. Suppliers must use ISO 17025 certified, or equivalent, third-party laboratory, which is well versed with “halogen-free” compliance and testing protocols.
10. Analytical testing of materials must be done with material in the “cured” state.
11. Materials must be analyzed for total chlorine, total bromine and antimony compounds
12. Ion Chromatograph using a common test method like EN 14582 must be used. The chosen method must capture all chlorine and bromine, regardless of whether it is organic or inorganic etc.
13. Test results must show total chlorine and total bromine below 900 ppm levels each and not exceeding 1500 ppm total.
14. Test results must show total antimony trioxide concentration below 900 ppm level
15. The report must contain a picture of the specimen tested.
16. The test will be repeated annually, and a recent test report will be submitted to **onsemi**
17. Report must be in English.

Foundries and Subcontractors

Supplying their finished product to **onsemi** must provide an annual analytical test report per requirements state above.

It is responsibility of **onsemi** suppliers, to provide the name(s) and email contact(s) information of the person(s) who will be responsible to provide the analytical test reports. Additional information will be provided by local Supply Management representative.

The supplier must retain all analytical test reports for 10 years after product end of life.

Even though, silicon crystal manufacturing operation involves the use of chromic acid in a test process; the final products do not contain Hexavalent Chromium above the RoHS threshold limit. onsemi bans the use of lead (Pb) except in the products that are required by the customers. Many applications, e.g. defense etc. allow the use of lead (Pb).

onsemi products do not contain any substance subject to authorization (REACH Annex XIV) and are in compliance with REACH ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

onsemi active products do not contain substances included in the Candidate List of Substances of Very High Concern (Table 3) included till January 2021 with the exception of lead (Pb) and lead oxide (PbO), which are included in the June 2018 SVHC list. In such cases, the lead (Pb) and lead oxide (PbO) are RoHS exempted.

Diboron trioxide was added to REACH as a Substance of Very High Concern (SVHC) on June 18, 2012. onsemi products in glass encapsulated packages may list Diboron trioxide as a constituent material in the glass encapsulation, in a concentration greater than 0.1%; REACH classifies; glass as a substance of unknown or variable composition, complex reaction products or biological matter (UVCB) containing the elements silica, calcium, sodium, potassium, magnesium and other cautions bonded together with oxygen. In glass, these elements are bonded into a non-crystalline molecular structure with completely different properties than the starting material; Therefore Diboron trioxide is not present in the finished onsemi product and does not require notification of the presents of a SVHC.

Direct materials suppliers to onsemi must ensure that all materials used in part manufacture and in facility operations satisfy all applicable environmental, health and safety government regulations and directives, including European Union Directive on the Restrictions on use of certain Hazardous Substances (RoHS), on restricted, toxic and hazardous materials. Suppliers must be prepared to provide supporting evidence of conformance.

Packaging Materials

This specification establishes requirements on packaging materials (including reporting) for onsemi products, parts and assemblies including those supplied by subcontractors. It is largely based on European Union Directive 94/62/EC

(Article 11) and all amendments (2004/12/EC).

In addition, it includes the reporting requirements for substances of very high concern (SVHC's) candidates as they are referred to in the REACH Regulation in the European Union. Articles, including packaging, that contain >0.1% by weight of an SVHC candidate are subject to communication requirements and may be subject to notification requirements under REACH.

Packaging means all goods made of any materials of any nature to be used for the containment, protection, handling, delivery and presentation of products from the producer to the customer or the consumer.

Packaging Components are packaging materials which can be easily separated by hand or by simple mechanical means.

Requirements

1. No packaging component or packaging subcomponent used for **onsemi** products shall contain lead (Pb), cadmium (Cd), mercury (Hg), hexavalent chromium (Cr6), or as a part of its final composition in excess of a sum concentration level of 100ppm (0.01%) by weight. <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:01994L0062-20150526&from=EN>
Packaging materials have to be certified only at the time of first brought into company. Annual update of 3rd party test reports is not required for packaging materials.
2. Do not use halogenated (including brominated) flame retardants in packaging materials. Examples include PBB (Polybrominated biphenyl), PBDE (Polybrominated diphenyl ether), or TBBPA (Tetrabromobisphenol A).
3. The substances shown in REACH Annex XVII Restricted Substances are prohibited. Refer to link for full listing, uses and allowances as defined by ECHA. <https://echa.europa.eu/substances-restricted-under-reach>
4. The substances shown in Authorization List are now prohibited from use in packaging materials in amounts greater than 0.1% w/w of the article. For the official list and related requirements refer to the ECHA website: <https://echa.europa.eu/authorisation-list>
5. Packaging components that contain more than 0.1% by weight (>1000ppm) of any of the substances of REACH Substances of Very High Concern (SVHC) Candidates list are subject to communications requirements, and in some cases to notification requirements under REACH. All packaging components that contain more than 0.1% by weight of any of these substances must be reported to **onsemi** procurement.

Table 1: Restricted and Reportable Substances

Substance	Controlled Application	Restricted or Reportable	Substance Threshold Limit (ppm)	Legal, Regulatory or Industry Standards Reference
Acrylonitrile	As a monomer in direct and critical indirect materials	Restricted	0 ^b	Industry requirement
Arsenic and its compounds	Semiconductor substrates and dopants	Reportable	Exempt	Industry requirement
1,3-Butadiene	As a monomer in direct and critical indirect materials	Restricted	0 ^b	Industry requirement
Beryllium copper	Direct and critical indirect materials,	Restricted	0 ^b	Industry requirement
Beryllium oxide	Direct and critical indirect materials,	Restricted	0 ^b	Industry requirement
Bisphenol A	As a monomer in plastics and epoxies	Restricted	50	Industry requirement
Chlorine and its compounds	As a monomer in all direct and critical indirect materials	Restricted	0 ^b	Industry Requirement
Phosphorus – White and Red	Direct and critical indirect materials except a metallic alloy component	Restricted	0 ^b	Industry requirement
Polyvinyl chloride (PVC)	Plastics, polymers, laminates and epoxies	Restricted	0 ^b	Industry requirement
	Certified packaging materials	Reportable	Exempt	
Rare earth elements	Direct and critical indirect materials	Reportable	0 ^c	Industry requirement
Tetrabromobisphenol A (TBBPA)	Direct and critical indirect materials	Restricted	0 ^b	Industry requirement
Toluene	Solvents in paints, coating, inks, adhesives, primers	Restricted	1000	Industry requirement
Arsenic and its compounds	In any packing material, paints, melt materials, biocides (including wood treatment), glass, metal finishes	Restricted	0 ^b	EU directive 76/769/EC
Asbestos	In any materials	Restricted	0 ^b	EU directive 76/769/EC
Azocolourants and azodyes which form certain aromatic amines	Textile, leather any material that contacts the skin.	Restricted	30	EU directive 76/769/EC
Other Chlorinated organic compounds	Plastics, polymers, laminates and epoxies	Restricted	0 ^b	EU directive 76/769/EC
Perfluorooctane sulfonate (PFOS) and salts (PFAS, PFOA), C ₈ F ₁₇ SO ₂ X (X=OH, metal salts, halides, amides and other derivatives including polymers)	In any material	Restricted	0 ^b	EU directive 76/769/EC
Polybrominated biphenyls (PBBs) and their ethers / oxides (PBDEs, PBBOs)	In any material	Restricted	0 ^b	EU directive 76/769/EC

Substance	Controlled Application	Restricted or Reportable	Substance Threshold Limit (ppm)	Legal, Regulatory or Industry Standards Reference
Polychlorinated biphenyls (PCBs), terphenyls (PCTs), and naphthalenes	In any material	Restricted	0 ^b	EU directive 76/769/EC
Cadmium and its compounds	Plastic parts, plastic stabilizers, pigments, dyes, paints, inks, surface treatments, coatings, plating, fluorescent lamps	Restricted	5	Directive 2011/65/EU
	Solder	Restricted	20	
	All other direct and critical indirect materials	Restricted	50	
Lead and its compounds	Plastic parts, plastic stabilizers, paints, pigments, dyes, ink	Restricted	50	Directive 2011/65/EU
	Surface treatments, coatings		100	
	Solders used for drinking water systems		100	
	Fluorescent lamps		100	
	Non leaded solder, terminal finish (bar, wire, paste, balls)		500	
	All other materials and applications		1000	
Mercury and its compounds	Direct and critical indirect materials	Restricted	0 ^b	Directive 2011/65/EU
Cadmium and its compounds	Packaging materials	Restricted	5 ^a	Directive 94/62/EEC
Hexavalent chromium and its compounds	Packaging materials	Restricted	100 ^a	Directive 94/62/EEC
Lead and its compounds	Packaging materials	Restricted	100 ^a	Directive 94/62/EEC
Mercury and its compounds	Packaging materials	Restricted	100 ^a	Directive 94/62/EEC
Antimony and its compounds	Direct and critical indirect materials designated in 'Green' products (i.e., substrates, die attach, bond wire, mold compounds, terminal finish, solder balls, etc)	Restricted	900	onsemi Green material
Bromine	Polymer materials designated in 'Green' products (i.e., substrates, die attach, mold compounds, etc) Exemption: Materials not designated as 'Green'	Restricted	900	onsemi Green material
Bromine & Chlorine sum total	Polymer materials designated in 'Green' products (i.e., substrates, die attach, mold compounds, etc) Exemption: Materials not designated as 'Green'	Restricted	1500	onsemi Green material
Chlorine and its compounds	Polymer materials designated in 'Green' products (i.e., substrates, die attach, mold compounds, etc) Exemption: Materials not designated as 'Green'	Restricted	900	onsemi Green material
Aniline (benzenamine)	Any application	Restricted	0 ^b	Canadian Environmental Protection Act 1999 (CEPA1999)

Substance	Controlled Application	Restricted or Reportable	Substance Threshold Limit (ppm)	Legal, Regulatory or Industry Standards Reference
Phenol, n-methyl-	As a monomer	Restricted	10	Canadian Environmental Protection Act, 1999 (CEPA1999)
Decabromodiphenyl Ethane	Direct and critical indirect materials	Restricted	0 ^b	Prohibition of Certain Toxic Substances Regulations, 2012
Dechlorane Plus	Direct and critical indirect materials	Restricted	0 ^b	Prohibition of Certain Toxic Substances Regulations, 2012
Antimony and its compounds	Direct and critical indirect materials	Reportable	1000	JIG, 4 th edition
	Materials used as doping sources for silicon processes	Reportable	Exempt	
Beryllium and its compounds	Direct and critical indirect materials	Reportable	1000	JIG, 4 th edition
Bismuth	Direct and critical indirect materials,	Reportable	1000	JIG, 4 th edition
N-Hexane	In any material	Reportable	1000	JIG, 4 th edition
Nickel and its compounds	Direct and critical indirect materials	Reportable	1000	JIG, 4 th edition
Selenium and its compounds	Direct and critical indirect materials	Reportable	1000	JIG, 4 th edition
Carbon disulfide	Direct and critical indirect materials	Restricted	0 ^b	US EPA Toxic Air Pollutant
Ethylene glycol ethers	In any material	Restricted	0 ^b	US EPA Toxic Air Pollutant
Hexachlorobutadiene (HCBD)	In any material	Restricted	0 ^b	US EPA Toxic Air Pollutant
Isopropylphenyl phosphate (PIP 3:1)	In any material	Restricted	0 ^b	US EPA Toxic Air Pollutant
Ozone depleting substances	All products and materials	Restricted	0 ^b	US EPA Toxic Air Pollutant
Pentachloro-phenol (PCTP)	In any material	Restricted	0 ^b	US EPA Toxic Air Pollutant
2,4,6-Tri-tert-butylphenol (TTBP)	In any material	Restricted	0 ^b	US EPA Toxic Air Pollutant
Benzotriazole	Plastics, polymers, laminates, plastic stabilizers, pigments, dyes, paints, inks	Restricted	0 ^b	Japan Industrial Safety and Health Law
Phenol, 2- (2H – benzotriazol-2-yl) – 4,6-bis (1,1-dimethylethyl)	Adhesives, paints, printing inks, inked ribbon, plastic materials, decorative laminate	Restricted	0 ^b	Japan's Act on the Evaluation of chemical substances and Regulation of Their Manufacture
Expanded Polystyrene (EPS)	Not permitted in packaging in Korea only.	Restricted	≤ 0.04m ³	Korean packaging waste law
Formaldehyde	In packaging and materials made of wood	Restricted	0 ^b	U.S. TSCA
Halogenated dioxins and furans	In any material	Restricted	0 ^b	Germany Chemicals Prohibition Ordinance (ChemVerbotsV).
4-Nitrobiphenyl and its salt	In any material	Restricted	0 ^b	U.S Code of Federal Regulation
Substance	Controlled Application	Restricted or Reportable	Substance Threshold Limit (ppm)	Legal, Regulatory or Industry Standards Reference
Perchlorate and its salts	In any material	Restricted	0 ^b	U.S Code of Federal Regulation

Substance	Controlled Application	Restricted or Reportable	Substance Threshold Limit (ppm)	Legal, Regulatory or Industry Standards Reference
N,N'-ditoly-p-phenylenediamine, N-tolyl-N'-xylyl-p-phenylenediamine, N,N'-dixylyl-p-phenylenediamine	Direct and critical indirect materials	Restricted	0 ^b	Order for Enforcement of the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
Nano materials	Direct and critical indirect materials	Reportable	Intentionally added	Decree No. 2012-232
POPs-Persistent organic pollutants	In any material	Restricted	0 ^b	Stockholm Convention
Radio Active Substances	Direct and critical indirect materials	Restricted	0 ^b	EU-D 96/29 Euratom, Nuclear Legislation in OECD and NEA Countries

a. The sum total of all four metals cannot exceed 100 ppm

b. Substance threshold limit 0 is defined that intentional use of the substance is prohibited.

c. Substance threshold limit is defined that intentional use of the substance is limited for technical needs.

Table 2a RoHS substances

Substance name	Chemical marking	CAS number	Concentration limit by weight
Lead	Pb	7439-92-1	0.1 %
Cadmium	Cd	7440-43-9	0.01 %
Mercury	Hg	7439-97-6	0.1 %
Hexavalent Chromium	Cr ⁶⁺	7440-47-3	0.1 %
Polybrominated Biphenyls	PBB	67774-32-7	0.1 %
Polybrominated diphenyl ethers	PBDE		0.1 %
Bis(2-ethylhexyl) phthalate	DEHP	117-81-7	0.1 %
Butyl benzyl Phthalate	BBP	85-68-7	0.1 %
Dibutyl phthalate	DBP	84-74-2	0.1 %
Diisobutyl phthalate	DIBP	84-74-2	0.1 %

Table 2b

Substance	RoHs Directive 2011/65/EU restricted substances										Halogen Free restricted substances*****				Other requirements			
	Cadmium	Lead	Mercury	Hexavalent Chromium	Polybrominated biphenyls	Polybrominated diphenyl ethers	Bis (2-ethylhexyl) phthalate	Butyl benzyl phthalate	Dibutyl phthalate	Diisobutyl phthalate	Halogen Fluorine	Halogen Chlorine	Halogen Bromine	Antimony Trioxide	Beryllium	Arsenic	Perfluorooctanesulfonic acid	Perfluorooctanoic Acid
Chemical Formula	Cd	Pb	Hg	CrVI	PBB	PBDE	DEHP	BBP	DBP	DIBP	F	Cl	Br	Sb ₂ O ₃	Be	As	PFOS	PFOA
Homogeneous material to be tested																		
Wafer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	●	●	●
Leadframe	●	●	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○
Die attach/ Epoxy	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○
Plating anodes	●	●	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○
Wire bond	●	●	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○
Solder clips	●	●	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○
Solder paste	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○
Solder Wire	●	●	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○
Solder balls	●	●	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○
Substrates	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○
Heat sink/ spreader	●	●	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○
Mold compound	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○
Soldermask	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●
Polyimide/PI Tape	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●
Coating	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●
RDL/UBM metals	●	●	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○
Substrate Metal	●	●	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○
Passive components	●	●	●	●	●	●	●	●	●	●	○	●	●	●	●	○	○	○
RoHS requirement	<100 ppm	<1000 ppm	<1000 ppm	<1000 ppm	<1000 ppm	<1000 ppm	<1000 ppm	<1000 ppm	<1000 ppm	<1000 ppm	○	○	○	○	○	○	○	○
Other requirements	○	○	NA	<500 ppm***	NA	NA	NA	NA	NA	NA	NA	<900 ppm	<900 ppm	<900 ppm	<1000 ppm****	NA	0*****	0*****

● – mandatory tested substance

○ – not mandatory tested substance

*Pigment stabilizer, copper alloys; reference GB/T 26572

**Plastics (i.e. polymeric) materials cable jackets and insulation, paints, inks, non-metallic and non-ceramics coatings e.g. stabilizer, pigment, drying agent; reference IEEE 1680.1-2009, CSPSIA

***Metal coating, pigment; reference GB/T 26572

****Metals and ceramic materials in connectors, stiffeners, AC inlets, springs, EMI finger/spring, transceivers, brackets, housing, buttons, speaker wire, beryllia ceramic, copper-beryllium alloys; reference EPA 3050B and/or EPA 3051A and/or EPA 3052r

***** Substance threshold limit 0 is defined that intentional use of the substance is prohibited; reference DIN CEN/TS 15968 15968 (MDL ≤ 25ppb, analyzed by LC-MS-MS)

*****Total Halogens ≤ 1500 ppm

Table 3 Candidate List of Substances of Very High Concern (SVHC) under REACH

Substance name	EC No.	CAS No.	Date of inclusion
Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	-	23-Jan-2024
Phenol, methylstyrenated	270-966-8	68512-30-1	23-Jan-2024
Bumetrizole (UV-326)	223-445-4	3896-11-5	23-Jan-2024
2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	438-340-0	119344-86-4	23-Jan-2024
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	221-573-5	3147-75-9	23-Jan-2024
2,4,6-tri-tert-butylphenol	211-989-5	732-26-3	23-Jan-2024
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	75980-60-8	14-Jun-2023
Bis(4-chlorophenyl) sulphone	201-247-9	80-07-9	14-Jun-2023
Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	473-390-7	-	17-Jan-2023
Perfluoroheptanoic acid and its salts	-	-	17-Jan-2023
Ammonium perfluoroheptanoate	228-098-2	6130-43-4	17-Jan-2023
Potassium perfluoroheptanoate	-	21049-36-5	17-Jan-2023
Perfluoroheptanoic acid	206-798-9	375-85-9	17-Jan-2023
Sodium perfluoroheptanoate	243-518-4	20109-59-5	17-Jan-2023
Melamine	203-615-4	108-78-1	17-Jan-2023
Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	17-Jan-2023
Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	17-Jan-2023
Bis(2-ethylhexyl) tetrabromophthalate	247-426-5	26040-51-7	17-Jan-2023
Barium diboron tetroxide	237-222-4	13701-59-2	17-Jan-2023
4,4'-sulphonyldiphenol	201-250-5	80-09-1	17-Jan-2023
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	17-Jan-2023
1,1'-[ethane-1,2-diylbisoxyl]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	17-Jan-2023
N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	10-Jun-2022
tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	17-Jan-2022
S-(tricyclo(5.2.1.0 ^{2,6})deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	401-850-9	255881-94-8	17-Jan-2022
6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol	204-327-1	119-47-1	17-Jan-2022
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	17-Jan-2022
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one	253-242-6	36861-47-9	17-Jan-2022
(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	1782069-81-1	17-Jan-2022
(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	95342-41-9	17-Jan-2022
(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	852541-30-1	17-Jan-2022
(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	852541-21-0	17-Jan-2022
(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	741687-98-9	17-Jan-2022
(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	852541-25-4	17-Jan-2022
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)	-	-	08-Jul-2021
Phenol, dodecyl-, branched	310-154-3	121158-58-5	08-Jul-2021
Phenol, 4-dodecyl, branched	-	210555-94-5	08-Jul-2021
Phenol, 4-isododecyl-	-	27147-75-7	08-Jul-2021
Phenol, tetrapropylene-	-	57427-55-1	08-Jul-2021
Phenol, (tetrapropenyl) derivatives	-	74499-35-7	08-Jul-2021
4-isododecylphenol	-	27459-10-5	08-Jul-2021
orthoboric acid, sodium salt	-	-	08-Jul-2021
Boric acid, sodium salt	215-604-1	1333-73-9	08-Jul-2021

Substance name	EC No.	CAS No.	Date of inclusion
Orthoboric acid, sodium salt	237-560-2	13840-56-7	08-Jul-2021
boric acid (H3BO3), sodium salt, hydrate	-	25747-83-5	08-Jul-2021
boric acid (H3BO3), sodium salt (1:1)	-	14890-53-0	08-Jul-2021
Boric acid (H3BO3), disodium salt	-	22454-04-2	08-Jul-2021
Trisodium orthoborate	238-253-6	14312-40-4	08-Jul-2021
Medium-chain chlorinated paraffins (MCCP)	-	-	08-Jul-2021
Alkanes, C14-17, chloro	287-477-0	85535-85-9	08-Jul-2021
Tetradecane, chloro derivs.	-	198840-65-2	08-Jul-2021
Alkanes, C14-16, chloro	-	1372804-76-6	08-Jul-2021
di-, tri- and tetrachlorotetradecane	-	-	08-Jul-2021
glutaral	203-856-5	111-30-8	08-Jul-2021
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	08-Jul-2021
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	08-Jul-2021
(2R)-3-(4-tert-butylphenyl)-2-methylpropanal	-	75166-31-3	08-Jul-2021
2-(4-tert-butylbenzyl)propionaldehyde	201-289-8	80-54-6	08-Jul-2021
(2S)-3-(4-tert-butylphenyl)-2-methylpropanal	-	75166-30-2	08-Jul-2021
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	08-Jul-2021
2,3-dibromo-1-propanol (2,3-DBPA)	202-480-9	96-13-9	08-Jul-2021
2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA)	253-057-0	36483-57-5	08-Jul-2021
3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	-	1522-92-5	08-Jul-2021
2,2-bis(bromomethyl)propane-1,3-diol (BMP)	221-967-7	3296-90-0	08-Jul-2021
1,4-dioxane	204-661-8	123-91-1	08-Jul-2021
Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-	19-Jan-2021
diocetyl tin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.	-	-	19-Jan-2021
Diocetyl tin dilaurate	222-883-3	3648-18-8	19-Jan-2021
Stannane, dioctyl-, bis(coco acyloxy) derivs.	293-901-5	91648-39-4	19-Jan-2021
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	19-Jan-2021
Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	25-Jun-2020
Butyl 4-hydroxybenzoate	202-318-7	94-26-8	25-Jun-2020
2-methylimidazole	211-765-7	693-98-1	25-Jun-2020
1-vinylimidazole	214-012-0	1072-63-5	25-Jun-2020
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	16-Jan-2020
Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	249-616-3	29420-49-3	16-Jan-2020
1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid	206-793-1	375-73-5	16-Jan-2020
bis(4-tert-butylphenyl)iodonium perfluorobutanesulfonate	432-660-4	194999-85-4	16-Jan-2020
tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate	444-440-5	220689-12-3	16-Jan-2020
dimethyl(phenyl)sulfanium perfluorobutanesulfonate	452-310-4	220133-51-7	16-Jan-2020
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	269-513-7	68259-10-9	16-Jan-2020
Triphenylsulfanium perfluorobutane sulfonate	478-340-8	144317-44-2	16-Jan-2020
N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	-	25628-08-4	16-Jan-2020
magnesium perfluorobutanesulfonate	-	507453-86-3	16-Jan-2020
lithium perfluorobutanesulfonate	-	131651-65-5	16-Jan-2020
morpholinium perfluorobutanesulfonate	-	503155-89-3	16-Jan-2020
1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate	468-770-4	-	16-Jan-2020
Diisohexyl phthalate	276-090-2	71850-09-4	16-Jan-2020
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	16-Jan-2020
2-benzyl-2-dimethylamino-4-morpholinobutyrophenone	404-360-3	119313-12-1	16-Jan-2020
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	16-Jul-2019
tris(nonylphenyl) phosphite	247-759-6	26523-78-4	16-Jul-2019
Phenol, 4-nonyl-, phosphite (3:1)	-	3050-88-2	16-Jul-2019
tris(4-nonylphenyl, branched) phosphite	-	-	16-Jul-2019
Phenol, p-sec-nonyl-, phosphite	-	106599-06-8	16-Jul-2019
Phenol, p-isononyl-, phosphite (3:1)	-	31631-13-7	16-Jul-2019
4-tert-butylphenol	202-679-0	98-54-4	16-Jul-2019
2-methoxyethyl acetate	203-772-9	110-49-6	16-Jul-2019

Substance name	EC No.	CAS No.	Date of inclusion
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	-	16-Jul-2019
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride	218-173-8	2062-98-8	16-Jul-2019
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid	236-236-8	13252-13-6	16-Jul-2019
potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate	266-578-3	67118-55-2	16-Jul-2019
ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	-	62037-80-3	16-Jul-2019
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-	-	75579-40-7	16-Jul-2019
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-	-	75579-39-4	16-Jul-2019
Pyrene	204-927-3	129-00-0	15-Jan-2019
Phenanthrene	201-581-5	85-01-8	15-Jan-2019
Fluoranthene	205-912-4	206-44-0	15-Jan-2019
Benzo[k]fluoranthene	205-916-6	207-08-9	15-Jan-2019
2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	15-Jan-2019
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	15-Jan-2019
Terphenyl, hydrogenated	262-967-7	61788-32-7	27-Jun-2018
Octamethylcyclotetrasiloxane	209-136-7	556-67-2	27-Jun-2018
Lead	231-100-4	7439-92-1	27-Jun-2018
Ethylenediamine	203-468-6	107-15-3	27-Jun-2018
Dodecamethylcyclohexasiloxane	208-762-8	540-97-6	27-Jun-2018
Disodium octaborate	234-541-0	12008-41-2	27-Jun-2018
Dicyclohexyl phthalate	201-545-9	84-61-7	27-Jun-2018
Decamethylcyclopentasiloxane	208-764-9	541-02-6	27-Jun-2018
Benzo[ghi]perylene	205-883-8	191-24-2	27-Jun-2018
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	209-008-0	552-30-7	27-Jun-2018
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	15-Jan-2018
Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.	-	1471311-26-8	15-Jan-2018
Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine	300-298-5	93925-00-9	15-Jan-2018
Chrysene	205-923-4	218-01-9	15-Jan-2018
Cadmium nitrate	233-710-6	10325-94-7	15-Jan-2018
Cadmium hydroxide	244-168-5	21041-95-2	15-Jan-2018
Cadmium carbonate	208-168-9	513-78-0	15-Jan-2018
Benz[a]anthracene	200-280-6	56-55-3	15-Jan-2018
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)	-	-	15-Jan-2018
(1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 ⁶ , ⁹ .0 ² , ¹³ .0 ⁵ , ¹⁰]octadeca-7,15-diene	-	135821-03-3	15-Jan-2018
1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene	236-948-9	13560-89-9	15-Jan-2018
(1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 ⁶ , ⁹ .0 ² , ¹³ .0 ⁵ , ¹⁰]octadeca-7,15-diene	-	135821-74-8	15-Jan-2018
rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene	-	-	15-Jan-2018
rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene	-	-	15-Jan-2018
Perfluorohexane-1-sulphonic acid and its salts	-	-	07-Jul-2017
perfluorohexane-1-sulphonic acid	206-587-1	355-46-4	07-Jul-2017
ammonium perfluorohexane-1-sulphonate	269-511-6	68259-08-5	07-Jul-2017
tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	274-462-9	70225-16-0	07-Jul-2017
potassium perfluorohexane-1-sulphonate	223-393-2	3871-99-6	07-Jul-2017
Ethanaminium, N-[4-[(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1310480-24-0	07-Jul-2017

Substance name	EC No.	CAS No.	Date of inclusion
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1310480-27-3	07-Jul-2017
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1310480-28-4	07-Jul-2017
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)	-	1329995-45-0	07-Jul-2017
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)	-	1329995-69-8	07-Jul-2017
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	144116-10-9	07-Jul-2017
Quinolinium, 1-(carboxymethyl)-4-[2-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1462414-59-0	07-Jul-2017
Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	153443-35-7	07-Jul-2017
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	-	189274-31-5	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1)	-	202189-84-2	07-Jul-2017
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	213740-81-9	07-Jul-2017
Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	341548-85-4	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)	-	350836-93-0	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)	-	41184-65-0	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)	-	41242-12-0	07-Jul-2017
Sulfonium, (thiodi-4,1-phenylene)bis(diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)	-	421555-73-9	07-Jul-2017
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	-	421555-74-0	07-Jul-2017
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	425670-70-8	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)	-	55120-77-9	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt	-	70136-72-0	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)	-	72033-41-1	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt	-	82382-12-5	07-Jul-2017
Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9C1)	-	866621-50-3	07-Jul-2017
Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	910606-39-2	07-Jul-2017
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	911027-68-4	07-Jul-2017
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 ^{3,7}]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate	-	911027-69-5	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)	-	92011-17-1	07-Jul-2017
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	928049-42-7	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)	-	1187817-57-7	07-Jul-2017
N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate	-	108427-55-0	07-Jul-2017

Substance name	EC No.	CAS No.	Date of inclusion
N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate	-	108427-54-9	07-Jul-2017
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1000597-52-3	07-Jul-2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)	-	341035-71-0	07-Jul-2017
p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	12-Jan-2017
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	-	12-Jan-2017
Nonadecafluorodecanoic acid	206-400-3	335-76-2	12-Jan-2017
sodium nonadecafluorodecanoate	-	3830-45-3	12-Jan-2017
Ammonium nonadecafluorodecanoate	221-470-5	3108-42-7	12-Jan-2017
4-heptylphenol, branched and linear	-	-	12-Jan-2017
Phenol, heptyl derivs.	276-743-1	72624-02-3	12-Jan-2017
4-heptylphenol	217-862-0	1987-50-4	12-Jan-2017
4-(3-ethylpentan-3-yl)phenol	-	37872-24-5	12-Jan-2017
4-(2-methylhexan-2-yl)phenol	-	30784-31-7	12-Jan-2017
4-(3,3-dimethylpentan-2-yl)phenol	-	911371-06-7	12-Jan-2017
4-(3-methylhexan-2-yl)phenol	-	854904-93-1	12-Jan-2017
4-(4,4-dimethylpentan-2-yl)phenol	-	911371-07-8	12-Jan-2017
4-(4-methylhexan-2-yl)phenol	-	71945-81-8	12-Jan-2017
4-(5-methylhexan-2-yl)phenol	-	857629-71-1	12-Jan-2017
4-(2,2-dimethylpentan-3-yl)phenol	-	861010-65-3	12-Jan-2017
4-(3-methylhexan-3-yl)phenol	-	30784-32-8	12-Jan-2017
4-(heptan-3-yl)phenol	-	6465-74-3	12-Jan-2017
4-(heptan-2-yl)phenol	-	6863-24-7	12-Jan-2017
4-(heptan-4-yl)phenol	-	6465-71-0	12-Jan-2017
4-(3-ethylpentyl)phenol	-	911370-98-4	12-Jan-2017
4-(3-methylhexyl)phenol	-	102570-52-5	12-Jan-2017
4-(4-methylhexyl)phenol	-	1139800-98-8	12-Jan-2017
4-(5-methylhexyl)phenol	-	100532-36-3	12-Jan-2017
4-(2,4-dimethylpentan-3-yl)phenol	-	1824346-00-0	12-Jan-2017
Phenol, 4-tert-heptyl-	-	288864-02-8	12-Jan-2017
Phenol, 4-(1-ethyl-1,2-dimethylpropyl)-	-	30784-27-1	12-Jan-2017
4-(2,3-dimethylpentan-2-yl)phenol	-	861011-60-1	12-Jan-2017
4-(2,4-dimethylpentan-2-yl)phenol	-	33104-11-9	12-Jan-2017
4-(2,3,3-trimethylbutan-2-yl)phenol	-	72861-06-4	12-Jan-2017
4-(5-methylhexan-3-yl)phenol	-	854904-92-0	12-Jan-2017
4,4'-isopropylidenediphenol	201-245-8	80-05-7	12-Jan-2017
Benzo[def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8	20-Jun-2016
Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	-	17-Dec-2015
Perfluorononan-1-oic-acid	206-801-3	375-95-1	17-Dec-2015
Sodium salts of perfluorononan-1-oic-acid	-	21049-39-8	17-Dec-2015
Ammonium salts of perfluorononan-1-oic-acid	-	4149-60-4	17-Dec-2015
Nitrobenzene	202-716-0	98-95-3	17-Dec-2015
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	17-Dec-2015
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	17-Dec-2015
1,3-propanesultone	214-317-9	1120-71-4	17-Dec-2015
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]	-	-	15-Jun-2015
Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	413-720-9	-	15-Jun-2015
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-06-9	15-Jun-2015
Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane	-	-	15-Jun-2015
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	-	15-Jun-2015
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	-	15-Jun-2015

Substance name	EC No.	CAS No.	Date of inclusion
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	-	186309-28-4	15-Jun-2015
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-05-8	15-Jun-2015
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel-	-	343934-04-3	15-Jun-2015
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-09-2	15-Jun-2015
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel-	-	343934-05-4	15-Jun-2015
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-04-7	15-Jun-2015
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-08-1	15-Jun-2015
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-03-6	15-Jun-2015
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-07-0	15-Jun-2015
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-02-5	15-Jun-2015
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	-	117933-89-8	15-Jun-2015
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	-	-	15-Jun-2015
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	272-013-1	68648-93-1	15-Jun-2015
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	271-094-0	68515-51-5	15-Jun-2015
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-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-	17-Dec-2014
Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	17-Dec-2014
Cadmium fluoride	232-222-0	7790-79-6	17-Dec-2014
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	17-Dec-2014
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	17-Dec-2014
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	17-Dec-2014
Sodium peroxometaborate	231-556-4	7632-04-4	16-Jun-2014
Sodium perborate, perboric acid, sodium salt	-	-	16-Jun-2014
Perboric acid, sodium salt	234-390-0	11138-47-9	16-Jun-2014
Sodium perborate	239-172-9	15120-21-5	16-Jun-2014
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6)	-	125022-34-6	16-Jun-2014
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2)	-	90568-23-3	16-Jun-2014
Perboric acid (H3BO2(O2)), monosodium salt, trihydrate	-	13517-20-9	16-Jun-2014
Cadmium chloride	233-296-7	10108-64-2	16-Jun-2014
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	16-Jun-2014
Trixylyl phosphate	246-677-8	25155-23-1	16-Dec-2013
Lead di(acetate)	206-104-4	301-04-2	16-Dec-2013
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	16-Dec-2013
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)	217-710-3	1937-37-7	16-Dec-2013
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	16-Dec-2013
Dihexyl phthalate	201-559-5	84-75-3	16-Dec-2013
Cadmium sulphide	215-147-8	1306-23-6	16-Dec-2013
Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	20-Jun-2013
Dipentyl phthalate (DPP)	205-017-9	131-18-0	20-Jun-2013
Cadmium oxide	215-146-2	1306-19-0	20-Jun-2013
Cadmium	231-152-8	7440-43-9	20-Jun-2013
Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	20-Jun-2013
4-Nonylphenol, branched and linear, ethoxylated	-	-	20-Jun-2013
Nonylphenol, ethoxylated (8-EO)	-	9016-45-9	20-Jun-2013

Substance name	EC No.	CAS No.	Date of inclusion
Nonylphenol, ethoxylated (6,5-EO)	-	9016-45-9	20-Jun-2013
Nonylphenol, branched, ethoxylated	500-209-1	68412-54-4	20-Jun-2013
4-Nonylphenol, ethoxylated	500-045-0	26027-38-3	20-Jun-2013
Nonylphenol, ethoxylated	500-024-6	9016-45-9	20-Jun-2013
2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol	230-770-5	7311-27-5	20-Jun-2013
Nonylphenol, ethoxylated (10-EO)	-	9016-45-9	20-Jun-2013
26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxaheacosan-1-ol	-	14409-72-4	20-Jun-2013
Poly(oxy-1,2-ethanediyl), α -(nonylphenyl)- ω -hydroxy-, branched	-	68412-54-4	20-Jun-2013
Poly(oxy-1,2-ethanediyl), α -(nonylphenyl)- ω -hydroxy-, branched	-	68412-54-4	20-Jun-2013
2-[2-(4-nonylphenoxy)ethoxy]ethanol	243-816-4	20427-84-3	20-Jun-2013
Nonylphenol, ethoxylated (15-EO)	-	9016-45-9	20-Jun-2013
20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	248-743-1	27942-27-4	20-Jun-2013
2-(isononylphenoxy)ethanol	284-987-5	85005-55-6	20-Jun-2013
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched	293-926-1	91648-64-5	20-Jun-2013
Poly(oxy-1,2-ethanediyl), α -(nonylphenyl)- ω -hydroxy- (CAS 9016-45-9)	-	9016-45-9	20-Jun-2013
4-Nonylphenol, branched, ethoxylated	-	127087-87-0	20-Jun-2013
Nonylphenolpolyglycoether	-	-	20-Jun-2013
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol	-	1119449-37-4	20-Jun-2013
2-[2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy]ethanol	-	1119449-38-5	20-Jun-2013
Nonylphenol, ethoxylated (polymer)	-	-	20-Jun-2013
Nonylphenol, ethoxylated (EO = 4)	-	-	20-Jun-2013
Nonylphenol, ethoxylated (EO = 10)	-	-	20-Jun-2013
2-(4-nonylphenoxy)ethanol	-	104-35-8	20-Jun-2013
4-t-Nonylphenol-diethoxylate	-	156609-10-8	20-Jun-2013
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-	-	20636-48-0	20-Jun-2013
17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol	-	34166-38-6	20-Jun-2013
4-Nonylphenol, branched, ethoxylated	500-315-8	127087-87-0	20-Jun-2013
29-(nonylphenoxy)-3,6,9,12,15,18,21,24,27-nonaaxanonacosanol	248-294-1	27177-08-8	20-Jun-2013
23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaotricosan-1-ol	248-293-6	27177-05-5	20-Jun-2013
20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	248-292-0	27177-03-3	20-Jun-2013
2-[2-(nonylphenoxy)ethoxy]ethanol	248-291-5	27176-93-8	20-Jun-2013
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxaheacosan-1-ol	247-816-5	26571-11-9	20-Jun-2013
14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol	247-555-7	26264-02-8	20-Jun-2013
20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	265-785-6	65455-69-8	20-Jun-2013
44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaotatetradecan-1-ol	260-678-0	57321-10-5	20-Jun-2013
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxaheacosan-1-ol	255-695-5	42173-90-0	20-Jun-2013
2-(nonylphenoxy)ethanol	248-762-5	27986-36-3	20-Jun-2013
Isononylphenol, ethoxylated	-	37205-87-1	20-Jun-2013
Trilead dioxide phosphonate	235-252-2	12141-20-7	19-Dec-2012
Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	19-Dec-2012
Tricosafuorododecanoic acid	206-203-2	307-55-1	19-Dec-2012
Tetralead trioxide sulphate	235-380-9	12202-17-4	19-Dec-2012
Tetraethyllead	201-075-4	78-00-2	19-Dec-2012
Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	19-Dec-2012
Silicic acid, lead salt	234-363-3	11120-22-2	19-Dec-2012
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	272-271-5	68784-75-8	19-Dec-2012
Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	19-Dec-2012
Pentalead tetraoxide sulphate	235-067-7	12065-90-6	19-Dec-2012
Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	19-Dec-2012
Orange lead (lead tetroxide)	215-235-6	1314-41-6	19-Dec-2012
o-toluidine	202-429-0	95-53-4	19-Dec-2012
o-aminoazotoluene	202-591-2	97-56-3	19-Dec-2012
n-pentyl-isopentyl phthalate	-	776297-69-9	19-Dec-2012
N-methylacetamide	201-182-6	79-16-3	19-Dec-2012
N,N-dimethylformamide	200-679-5	68-12-2	19-Dec-2012
Methyloxirane (Propylene oxide)	200-879-2	75-56-9	19-Dec-2012
Methoxyacetic acid	210-894-6	625-45-6	19-Dec-2012
Lead titanium zirconium oxide	235-727-4	12626-81-2	19-Dec-2012
Lead titanium trioxide	235-038-9	12060-00-3	19-Dec-2012
Lead oxide sulfate	234-853-7	12036-76-9	19-Dec-2012
Lead monoxide (lead oxide)	215-267-0	1317-36-8	19-Dec-2012

Substance name	EC No.	CAS No.	Date of inclusion
Lead dinitrate	233-245-9	10099-74-8	19-Dec-2012
Lead cyanamidate	244-073-9	20837-86-9	19-Dec-2012
Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	19-Dec-2012
Hexahydromethylphthalic anhydride	-	-	19-Dec-2012
Hexahydro-1-methylphthalic anhydride	256-356-4	48122-14-1	19-Dec-2012
Hexahydro-3-methylphthalic anhydride	260-566-1	57110-29-9	19-Dec-2012
Hexahydromethylphthalic anhydride	247-094-1	25550-51-0	19-Dec-2012
Hexahydro-4-methylphthalic anhydride	243-072-0	19438-60-9	19-Dec-2012
Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	19-Dec-2012
Henicosafuoroundecanoic acid	218-165-4	2058-94-8	19-Dec-2012
Furan	203-727-3	110-00-9	19-Dec-2012
Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	19-Dec-2012
Dioxobis(stearato)trilead	235-702-8	12578-12-0	19-Dec-2012
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	19-Dec-2012
Dimethyl sulphate	201-058-1	77-78-1	19-Dec-2012
Diisopentyl phthalate	210-088-4	605-50-5	19-Dec-2012
Diethyl sulphate	200-589-6	64-67-5	19-Dec-2012
Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	19-Dec-2012
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	19-Dec-2012
Cyclohexane-1,2-dicarboxylic anhydride	-	-	19-Dec-2012
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	19-Dec-2012
trans-cyclohexane-1,2-dicarboxylic anhydride	238-009-9	14166-21-3	19-Dec-2012
cis-cyclohexane-1,2-dicarboxylic anhydride	236-086-3	13149-00-3	19-Dec-2012
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	19-Dec-2012
Biphenyl-4-ylamine	202-177-1	92-67-1	19-Dec-2012
Acetic acid, lead salt, basic	257-175-3	51404-69-4	19-Dec-2012
[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	19-Dec-2012
6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	19-Dec-2012
4-Nonylphenol, branched and linear	-	-	19-Dec-2012
p-nonylphenol	203-199-4	104-40-5	19-Dec-2012
4-(1-ethyl-1-methylhexyl)phenol	257-907-1	52427-13-1	19-Dec-2012
p-(1,1-dimethylheptyl)phenol	250-339-5	30784-30-6	19-Dec-2012
p-(1-methyl-octyl)phenol	241-427-4	17404-66-9	19-Dec-2012
Phenol, 4-nonyl-, branched	284-325-5	84852-15-3	19-Dec-2012
4-(1-Ethyl-1,4-dimethylpentyl)phenol	-	142731-63-3	19-Dec-2012
4-(1-Ethyl-1,3-dimethylpentyl)phenol	-	186825-36-5	19-Dec-2012
p-isononylphenol	247-770-6	26543-97-5	19-Dec-2012
Isononylphenol	234-284-4	11066-49-2	19-Dec-2012
Phenol, nonyl-, branched	291-844-0	90481-04-2	19-Dec-2012
4-(3-ethylheptan-2-yl)phenol	-	186825-39-8	19-Dec-2012
4-(1,1,5-Trimethylhexyl)phenol	-	521947-27-3	19-Dec-2012
Nonylphenol	246-672-0	25154-52-3	19-Dec-2012
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	19-Dec-2012
4-aminoazobenzene	200-453-6	60-09-3	19-Dec-2012
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	-	19-Dec-2012
20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol	219-682-8	2497-59-8	19-Dec-2012
2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol	-	2315-61-9	19-Dec-2012
Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether	-	9002-93-1	19-Dec-2012
Poly(oxy-1,2-ethanediy), α -[(1,1,3,3-tetramethylbutyl)phenyl]- ω -hydroxy-	-	9036-19-5	19-Dec-2012
2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol	-	2315-67-5	19-Dec-2012
4,4'-oxydianiline and its salts	-	-	19-Dec-2012
4,4'-oxydianiline	202-977-0	101-80-4	19-Dec-2012
4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	19-Dec-2012
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	19-Dec-2012
1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	19-Dec-2012
1,2-diethoxyethane	211-076-1	629-14-1	19-Dec-2012
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	284-032-2	84777-06-0	19-Dec-2012
α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0	18-Jun-2012
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	18-Jun-2012
Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	18-Jun-2012
Formamide	200-842-0	75-12-7	18-Jun-2012

Substance name	EC No.	CAS No.	Date of inclusion
Diboron trioxide	215-125-8	1303-86-2	18-Jun-2012
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	219-943-6	2580-56-5	18-Jun-2012
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	208-953-6	548-62-9	18-Jun-2012
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	18-Jun-2012
4,4'-bis(dimethylamino)-4'-(methylamino)trityl alcohol	209-218-2	561-41-1	18-Jun-2012
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	423-400-0	59653-74-6	18-Jun-2012
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	18-Jun-2012
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	18-Jun-2012
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	18-Jun-2012
Zirconia Aluminosilicate Refractory Ceramic Fibres	-	-	19-Dec-2011
Refractories, fibers, aluminosilicate	-	142844-00-6	19-Dec-2011
Trilead diarsenate	222-979-5	3687-31-8	19-Dec-2011
Potassium hydroxyoctaoxidizincatedichromate	234-329-8	11103-86-9	19-Dec-2011
Phenolphthalein	201-004-7	77-09-8	19-Dec-2011
Pentazinc chromate octahydroxide	256-418-0	49663-84-5	19-Dec-2011
N,N-dimethylacetamide	204-826-4	127-19-5	19-Dec-2011
Lead styphnate	239-290-0	15245-44-0	19-Dec-2011
Lead dipicrate	229-335-2	6477-64-1	19-Dec-2011
Lead diazide, Lead azide	236-542-1	13424-46-9	19-Dec-2011
Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	19-Dec-2011
Dichromium tris(chromate)	246-356-2	24613-89-6	19-Dec-2011
Calcium arsenate	231-904-5	7778-44-1	19-Dec-2011
Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	19-Dec-2011
Bis(2-methoxyethyl) ether	203-924-4	111-96-6	19-Dec-2011
Arsenic acid	231-901-9	7778-39-4	19-Dec-2011
Aluminosilicate Refractory Ceramic Fibres	-	-	19-Dec-2011
Refractories, fibers, aluminosilicate	-	142844-00-6	19-Dec-2011
4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	19-Dec-2011
2-Methoxyaniline, o-Anisidine	201-963-1	90-04-0	19-Dec-2011
2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	19-Dec-2011
1,2-dichloroethane	203-458-1	107-06-2	19-Dec-2011
Strontium chromate	232-142-6	7789-06-2	20-Jun-2011
Hydrazine	206-114-9	302-01-2, 7803-57-8	20-Jun-2011
2-ethoxyethyl acetate	203-839-2	111-15-9	20-Jun-2011
1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	20-Jun-2011
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	20-Jun-2011
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	20-Jun-2011
1,2,3-trichloropropane	202-486-1	96-18-4	20-Jun-2011
Cobalt(II) sulphate	233-334-2	10124-43-3	15-Dec-2010
Cobalt(II) dinitrate	233-402-1	10141-05-6	15-Dec-2010
Cobalt(II) diacetate	200-755-8	71-48-7	15-Dec-2010
Cobalt(II) carbonate	208-169-4	513-79-1	15-Dec-2010
Chromium trioxide	215-607-8	1333-82-0	15-Dec-2010
Acids generated from chromium trioxide and their oligomers	-	-	15-Dec-2010
Chromic acid	231-801-5	7738-94-5	15-Dec-2010
Oligomers of chromic acid and dichromic acid	-	-	15-Dec-2010
Dichromic acid	236-881-5	13530-68-2	15-Dec-2010
2-methoxyethanol	203-713-7	109-86-4	15-Dec-2010
2-ethoxyethanol	203-804-1	110-80-5	15-Dec-2010
Trichloroethylene	201-167-4	79-01-6	18-Jun-2010
Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	18-Jun-2010
Sodium chromate	231-889-5	7775-11-3	18-Jun-2010
Potassium dichromate	231-906-6	7778-50-9	18-Jun-2010
Potassium chromate	232-140-5	7789-00-6	18-Jun-2010
Disodium tetraborate, anhydrous	215-540-4	12179-04-3, 1303-96-4, 1330-43-4	18-Jun-2010
Boric acid	-	-	18-Jun-2010

Substance name	EC No.	CAS No.	Date of inclusion
Boric acid, crude natural	234-343-4	11113-50-1	18-Jun-2010
Boric acid	233-139-2	10043-35-3	18-Jun-2010
Ammonium dichromate	232-143-1	7789-09-5	18-Jun-2010
Acrylamide	201-173-7	79-06-1	30-Mar-2010
Tris(2-chloroethyl) phosphate	204-118-5	115-96-8	13-Jan-2010
Pitch, coal tar, high-temp.	266-028-2	65996-93-2	13-Jan-2010
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	13-Jan-2010
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	13-Jan-2010
Lead chromate	231-846-0	7758-97-6	13-Jan-2010
Diisobutyl phthalate	201-553-2	84-69-5	13-Jan-2010
Anthracene oil, anthracene-low	292-604-8	90640-82-7	13-Jan-2010
Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	13-Jan-2010
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	13-Jan-2010
Anthracene oil, anthracene paste	292-603-2	90640-81-6	13-Jan-2010
Anthracene oil	292-602-7	90640-80-5	13-Jan-2010
2,4-dinitrotoluene	204-450-0	121-14-2	13-Jan-2010
Triethyl arsenate	427-700-2	15606-95-8	28-Oct-2008
Sodium dichromate	234-190-3	10588-01-9, 7789-12-0	28-Oct-2008
Lead hydrogen arsenate	232-064-2	7784-40-9	28-Oct-2008
Hexabromocyclododecane (HBCDD)	-	-	28-Oct-2008
gamma-hexabromocyclododecane	-	134237-52-8	28-Oct-2008
beta-hexabromocyclododecane	-	134237-51-7	28-Oct-2008
1,2,5,6,9,10-hexabromocyclododecane	221-695-9	3194-55-6	28-Oct-2008
Hexabromocyclododecane	247-148-4	25637-99-4	28-Oct-2008
alpha-hexabromocyclododecane	-	134237-50-6	28-Oct-2008
Dibutyl phthalate (DBP)	201-557-4	84-74-2	28-Oct-2008
Diarsenic trioxide	215-481-4	1327-53-3	28-Oct-2008
Diarsenic pentaoxide	215-116-9	1303-28-2	28-Oct-2008
Cobalt dichloride	231-589-4	7646-79-9	28-Oct-2008
Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	28-Oct-2008
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	28-Oct-2008
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	28-Oct-2008
Anthracene	204-371-1	120-12-7	28-Oct-2008
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	28-Oct-2008
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	28-Oct-2008
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	28-Oct-2008

Table 4 - REACH Annex XIV

Substance name	EC No.	CAS No.	Entry No.	Latest appl. date	Sunset Date
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	01	21-Feb-2013	21-Aug-2014
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	02	21-Feb-2013	21-Aug-2014
Hexabromocyclododecane (HBCDD)	-	-	03	21-Feb-2014	21-Aug-2015
gamma-hexabromocyclododecane	-	134237-52-8	03	21-Feb-2014	21-Aug-2015
beta-hexabromocyclododecane	-	134237-51-7	03	21-Feb-2014	21-Aug-2015
1,2,5,6,9,10-hexabromocyclododecane	221-695-9	3194-55-6	03	21-Feb-2014	21-Aug-2015
Hexabromocyclododecane	247-148-4	25637-99-4	03	21-Feb-2014	21-Aug-2015
alpha-hexabromocyclododecane	-	134237-50-6	03	21-Feb-2014	21-Aug-2015
Bis(2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	04	21-Aug-2013	21-Feb-2015
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	05	21-Aug-2013	21-Feb-2015
Dibutyl phthalate (DBP)	201-557-4	84-74-2	06	21-Aug-2013	21-Feb-2015
Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	07	21-Aug-2013	21-Feb-2015
Diarsenic trioxide	215-481-4	1327-53-3	08	21-Nov-2013	21-May-2015
Diarsenic pentaoxide	215-116-9	1303-28-2	09	21-Nov-2013	21-May-2015
Lead chromate	231-846-0	7758-97-6	10	21-Nov-2013	21-May-2015
Lead sulfochromate yellow	215-693-7	1344-37-2	11	21-Nov-2013	21-May-2015
Lead chromate molybdate sulfate red	235-759-9	12656-85-8	12	21-Nov-2013	21-May-2015
Tris(2-chloroethyl) phosphate	204-118-5	115-96-8	13	21-Feb-2014	21-Aug-2015
2,4-dinitrotoluene (2,4-DNT)	204-450-0	121-14-2	14	21-Feb-2014	21-Aug-2015
Trichloroethylene	201-167-4	79-01-6	15	21-Oct-2014	21-Apr-2016
Chromium trioxide	215-607-8	1333-82-0	16	21-Mar-2016	21-Sep-2017
Acids generated from chromium trioxide and their oligomers	-	-	17	21-Mar-2016	21-Sep-2017
Chromic acid	231-801-5	7738-94-5	17	21-Mar-2016	21-Sep-2017
Oligomers of chromic acid and dichromic acid	-	-	17	21-Mar-2016	21-Sep-2017
Dichromic acid	236-881-5	13530-68-2	17	21-Mar-2016	21-Sep-2017
Sodium dichromate	234-190-3	10588-01-9, 7789-12-0	18	21-Mar-2016	21-Sep-2017
Potassium dichromate	231-906-6	7778-50-9	19	21-Mar-2016	21-Sep-2017
Ammonium dichromate	232-143-1	7789-09-5	20	21-Mar-2016	21-Sep-2017
Potassium chromate	232-140-5	7789-00-6	21	21-Mar-2016	21-Sep-2017
Sodium chromate	231-889-5	7775-11-3	22	21-Mar-2016	21-Sep-2017
Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	23	22-Feb-2016	22-Aug-2017
Arsenic acid	231-901-9	7778-39-4	24	22-Feb-2016	22-Aug-2017
Bis(2-methoxyethyl) ether	203-924-4	111-96-6	25	22-Feb-2016	22-Aug-2017
1,2-dichloroethane (EDC)	203-458-1	107-06-2	26	22-May-2016	22-Nov-2017
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	27	22-May-2016	22-Nov-2017
Dichromium tris(chromate)	246-356-2	24613-89-6	28	22-Jul-2017	22-Jan-2019
Strontium chromate	232-142-6	7789-06-2	29	22-Jul-2017	22-Jan-2019
Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	30	22-Jul-2017	22-Jan-2019
Pentazinc chromate octahydroxide	256-418-0	49663-84-5	31	22-Jul-2017	22-Jan-2019
1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	32	04-Jan-2019	04-Jul-2020
Diisopentyl phthalate	210-088-4	605-50-5	33	04-Jan-2019	04-Jul-2020
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	34	04-Jan-2019	04-Jul-2020
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	35	04-Jan-2019	04-Jul-2020
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	284-032-2	84777-06-0	36	04-Jan-2019	04-Jul-2020
Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	37	04-Jan-2019	04-Jul-2020
Dipentyl phthalate	205-017-9	131-18-0	38	04-Jan-2019	04-Jul-2020
n-pentyl-isopentyl phthalate	933-378-9	776297-69-9	39	04-Jan-2019	04-Jul-2020
Anthracene oil	292-602-7	90640-80-5	40	04-Apr-2019	04-Oct-2020
Pitch, coal tar, high-temp.	266-028-2	65996-93-2	41	04-Apr-2019	04-Oct-2020
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	-	42	04-Jul-2019	04-Jan-2021
20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol	219-682-8	2497-59-8	42	04-Jul-2019	04-Jan-2021

Substance name	EC No.	CAS No.	Entry No.	Latest appl. date	Sunset Date
2-[2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy]ethanol	621-341-7	2315-61-9	42	04-Jul-2019	04-Jan-2021
Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether	618-344-0	9002-93-1	42	04-Jul-2019	04-Jan-2021
Poly(oxy-1,2-ethanediyl), α -[(1,1,3,3-tetramethylbutyl)phenyl]- ω -hydroxy-	618-541-1	9036-19-5	42	04-Jul-2019	04-Jan-2021
2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol	621-345-9	2315-67-5	42	04-Jul-2019	04-Jan-2021
4-Nonylphenol, branched and linear, ethoxylated	-	-	43	04-Jul-2019	04-Jan-2021
Nonylphenol, ethoxylated (8-EO)	931-754-7	-	43	04-Jul-2019	04-Jan-2021
Nonylphenol, ethoxylated (6,5-EO)	931-753-1	-	43	04-Jul-2019	04-Jan-2021
Nonylphenol, branched, ethoxylated	500-209-1	68412-54-4	43	04-Jul-2019	04-Jan-2021
4-Nonylphenol, ethoxylated	500-045-0	26027-38-3	43	04-Jul-2019	04-Jan-2021
Nonylphenol, ethoxylated	500-024-6	9016-45-9	43	04-Jul-2019	04-Jan-2021
2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol	230-770-5	7311-27-5	43	04-Jul-2019	04-Jan-2021
Nonylphenol, ethoxylated (10-EO)	931-755-2	-	43	04-Jul-2019	04-Jan-2021
26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahehexacosan-1-ol	604-395-6	14409-72-4	43	04-Jul-2019	04-Jan-2021
Nonylphenol, branched, ethoxylated (CAS# 68412-54-4)	932-688-1	-	43	04-Jul-2019	04-Jan-2021
Poly(oxy-1,2-ethanediyl), α -(nonylphenyl)- ω -hydroxy-, branched	932-337-2	68412-54-4	43	04-Jul-2019	04-Jan-2021
2-[2-(4-nonylphenoxy)ethoxy]ethanol	243-816-4	20427-84-3	43	04-Jul-2019	04-Jan-2021
Nonylphenol, ethoxylated (15-EO)	931-756-8	-	43	04-Jul-2019	04-Jan-2021
20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	248-743-1	27942-27-4	43	04-Jul-2019	04-Jan-2021
2-(isononylphenoxy)ethanol	284-987-5	85005-55-6	43	04-Jul-2019	04-Jan-2021
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched	293-926-1	91648-64-5	43	04-Jul-2019	04-Jan-2021
Poly(oxy-1,2-ethanediyl), α -(nonylphenyl)- ω -hydroxy- (CAS 9016-45-9)	931-562-3	9016-45-9	43	04-Jul-2019	04-Jan-2021
4-Nonylphenol, branched, ethoxylated	932-098-4	127087-87-0	43	04-Jul-2019	04-Jan-2021
Nonylphenolpolyglycoether	932-998-7	-	43	04-Jul-2019	04-Jan-2021
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol	687-832-3	1119449-37-4	43	04-Jul-2019	04-Jan-2021
2-[2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy]ethanol	687-833-9	1119449-38-5	43	04-Jul-2019	04-Jan-2021
Nonylphenol, ethoxylated (polymer)	938-618-6	-	43	04-Jul-2019	04-Jan-2021
Nonylphenol, ethoxylated (EO = 4)	-	-	43	04-Jul-2019	04-Jan-2021
Nonylphenol, ethoxylated (EO = 10)	939-993-9	-	43	04-Jul-2019	04-Jan-2021
2-(4-nonylphenoxy)ethanol	-	104-35-8	43	04-Jul-2019	04-Jan-2021
4-t-Nonylphenol-diethoxylate	-	156609-10-8	43	04-Jul-2019	04-Jan-2021
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-	-	20636-48-0	43	04-Jul-2019	04-Jan-2021
17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol	-	34166-38-6	43	04-Jul-2019	04-Jan-2021
4-Nonylphenol, branched, ethoxylated	500-315-8	127087-87-0	43	04-Jul-2019	04-Jan-2021
29-(nonylphenoxy)-3,6,9,12,15,18,21,24,27-nonaononacosanol	248-294-1	27177-08-8	43	04-Jul-2019	04-Jan-2021
23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaotricosan-1-ol	248-293-6	27177-05-5	43	04-Jul-2019	04-Jan-2021
20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	248-292-0	27177-03-3	43	04-Jul-2019	04-Jan-2021
2-[2-(nonylphenoxy)ethoxy]ethanol	248-291-5	27176-93-8	43	04-Jul-2019	04-Jan-2021
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahehexacosan-1-ol	247-816-5	26571-11-9	43	04-Jul-2019	04-Jan-2021
14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol	247-555-7	26264-02-8	43	04-Jul-2019	04-Jan-2021
20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	265-785-6	65455-69-8	43	04-Jul-2019	04-Jan-2021

Substance name	EC No.	CAS No.	Entry No.	Latest appl. date	Sunset Date
44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaooxatetracontanol	260-678-0	57321-10-5	43	04-Jul-2019	04-Jan-2021
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahehexacosan-1-ol	255-695-5	42173-90-0	43	04-Jul-2019	04-Jan-2021
2-(nonylphenoxy)ethanol	248-762-5	27986-36-3	43	04-Jul-2019	04-Jan-2021
Isononylphenol, ethoxylated	609-346-2	37205-87-1	43	04-Jul-2019	04-Jan-2021
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	44	27-Aug-2021	27-Feb-2023
Dihexyl phthalate	201-559-5	84-75-3	45	27-Aug-2021	27-Feb-2023
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	-	-	46	27-Aug-2021	27-Feb-2023
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	272-013-1	68648-93-1	46	27-Aug-2021	27-Feb-2023
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	271-094-0	68515-51-5	46	27-Aug-2021	27-Feb-2023
Trixylyl phosphate	246-677-8	25155-23-1	47	27-Nov-2021	27-May-2023
Sodium perborate, perboric acid, sodium salt	-	-	48	27-Nov-2021	27-May-2023
Perboric acid, sodium salt	234-390-0	11138-47-9	48	27-Nov-2021	27-May-2023
Sodium perborate	239-172-9	15120-21-5	48	27-Nov-2021	27-May-2023
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6)	-	125022-34-6	48	27-Nov-2021	27-May-2023
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2)	-	90568-23-3	48	27-Nov-2021	27-May-2023
Perboric acid (H3BO2(O2)), monosodium salt, trihydrate	603-902-8	13517-20-9	48	27-Nov-2021	27-May-2023
Sodium peroxometaborate	231-556-4	7632-04-4	49	27-Nov-2021	27-May-2023
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]	-	-	50	27-Feb-2022	27-Aug-2023
Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	413-720-9	-	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-06-9	50	27-Feb-2022	27-Aug-2023
Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane	700-927-7	-	50	27-Feb-2022	27-Aug-2023
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	-	50	27-Feb-2022	27-Aug-2023
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	-	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	-	186309-28-4	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-05-8	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel-	-	343934-04-3	50	27-Feb-2022	27-Aug-2023

Substance name	EC No.	CAS No.	Entry No.	Latest appl. date	Sunset Date
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-09-2	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel-	-	343934-05-4	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-04-7	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-08-1	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-03-6	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-07-0	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-02-5	50	27-Feb-2022	27-Aug-2023
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	601-499-3	117933-89-8	50	27-Feb-2022	27-Aug-2023
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	51	27-May-2022	27-Nov-2023
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	52	27-May-2022	27-Nov-2023
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	53	27-May-2022	27-Nov-2023
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	54	27-May-2022	27-Nov-2023
Tetraethyllead	201-075-4	78-00-2	55	01-Nov-2023	01-May-2025
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1	56	01-Nov-2023	01-May-2025
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	57	01-Nov-2023	01-May-2025
Formaldehyde, reaction products with phenol heptyl derivs. and 1,3,4-thiadiazolidine-2,5-dithione	939-460-0	1471311-26-8	57	01-Nov-2023	01-May-2025
Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine	300-298-5	93925-00-9	57	01-Nov-2023	01-May-2025
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	239-622-4	15571-58-1	58	01-Nov-2023	01-May-2025
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-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	915-270-3	-	59	01-Nov-2023	01-May-2025

Table 5 - REACH Annex XVII

(This list refers most used substances and their groups; the full list of substances is available on the ECHA web)

Substance name	EC No.	CAS No.	Entry no.
Polychlorinated terphenyls (PCTs)	-	-	01
Chloroethene	200-831-0	75-01-4	02
Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 (See group members):	-	-	03
Hazard class 4.1	-	-	03
Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	-	-	03
Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	-	-	03
Hazard class 5.1.	-	-	03
Tris (2,3 dibromopropyl) phosphate	-	126-72-7	04
Benzene	200-753-7	71-43-2	05
Asbestos fibres	-	-	06
Actinolite	-	77536-66-4	06
Tremolite	-	77536-68-6	06
Crocidolite	-	12001-28-4	06
Amosite	-	12172-73-5	06
Asbestos, chrysotile	601-650-3	12001-29-5	06
Anthophyllite	-	77536-67-5	06
Tris(aziridinyl)phosphin oxide	208-892-5	545-55-1	07
Polybromobiphenyls, Polybrominatedbiphenyls (PBB)	-	-	08
Polybromobiphenyls, Polybrominatedbiphenyls (PBB)	-	59536-65-1	08
Polybrominated biphenyls (PBB) except hexabromo-biphenyl	-	-	08
Nonabromo-1,1'-biphenyl	248-637-5	27753-52-2	08
Tetrabromo(tetrabromophenyl)benzene	248-696-7	27858-07-7	08
Decabromo-1,1'-biphenyl	237-137-2	13654-09-6	08
4-bromobiphenyl	202-176-6	92-66-0	08
4,4'-dibromobiphenyl	202-198-6	92-86-4	08
3-bromobiphenyl	218-304-9	2113-57-7	08
Hexabromo-1,1'-biphenyl	252-994-2	36355-01-8	08
Entry 9	-	-	09
o-Nitrobenzaldehyde	209-025-3	552-89-6	09
Soap bark powder (Quillaja saponaria) and its derivatives containing saponines	273-620-4	68990-67-0	09
Benzidine and / or its derivatives	-	-	09
Powder of the roots of Veratrum album and Veratrum nigrum	-	-	09
Wood powder	-	-	09
Powder of the roots of Helleborus viridis and Helleborus niger	-	-	09
Entry 10	-	-	10
Ammonium polysulphide	232-989-1	9080-17-5	10
Ammonium sulphide	235-223-4	12135-76-1	10
Ammonium hydrogen sulphide	235-184-3	12124-99-1	10
Volatile esters of bromoacetic acids	-	-	11
Methyl bromoacetate	202-499-2	96-32-2	11
Propyl bromoacetate	-	35223-80-4	11
Butyl bromoacetate	242-729-9	18991-98-5	11
Ethyl bromoacetate	203-290-9	105-36-2	11
2-naphthylamine and its salts	-	-	12
Salts of 2-naphthylamine	-	-	12
2-naphthylamine	202-080-4	91-59-8	12
2-naphthylammonium chloride	210-313-6	612-52-2	12
2-naphthylammonium acetate	209-030-0	553-00-4	12
Benzidine and its salts	-	-	13
Salts of benzidine	-	-	13
Benzidine	202-199-1	92-87-5	13
4-Nitrobiphenyl	202-204-7	92-93-3	14
4-Aminobiphenyl xenylamine and its salts	-	-	15
4-Aminobiphenyl xenylamine	202-177-1	92-67-1	15
Lead carbonates	-	-	16
Trilead-bis(carbonate)-dihydroxide 2PbCO3-Pb(OH)2	215-290-6	1319-46-6	16

Substance name	EC No.	CAS No.	Entry no.
Neutral anhydrous carbonate (PbCO ₃)	209-943-4	598-63-0	16
Lead sulphates	-	-	17
Lead sulphate PbSO ₄	231-198-9	7446-14-2	17
Sulphuric acid, lead salt Pb _x SO ₄	239-831-0	15739-80-7	17
Mercury compounds	-	-	18
Mercury	231-106-7	7439-97-6	18a
Arsenic compounds	-	-	19
Yttrium arsenide	235-507-8	12255-48-0	19
Tribarium diarsenide	235-508-3	12255-50-4	19
Tricalcium diarsenide	235-509-9	12255-53-7	19
Germanium arsenide	235-547-6	12271-72-6	19
Trisilver arsenide	235-652-7	12417-99-1	19
Arsenic sulfide	235-720-6	12612-21-4	19
Ammonium dihydrogenarsenate	236-667-1	13462-93-6	19
Potassium arsenite	236-680-2	13464-35-2	19
Trisodium arsenite	236-681-8	13464-37-4	19
Trisodium arsenate	236-682-3	13464-38-5	19
Zinc arsenate	236-683-9	13464-44-3	19
Tristrontium diarsenate	236-684-4	13464-68-1	19
Tribarium diarsenate	236-762-8	13477-04-8	19
Trinickel bis(arsenate)	236-771-7	13477-70-8	19
Trilithium arsenate	236-773-8	13478-14-3	19
Trisilver arsenate	236-841-7	13510-44-6	19
Diarsenic pentaoxide	215-116-9	1303-28-2	19
Arsenic sulfide	215-117-4	1303-33-9	19
Diarsenic triselenide	215-119-5	1303-36-2	19
Diarsenic trioxide	215-481-4	1327-53-3	19
Triethyl arsenite	221-543-1	3141-12-6	19
Trilead diarsenate	222-979-5	3687-31-8	19
Disodium 4-[(o-aronophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonate	222-993-1	3688-92-4	19
Diphenyldiarsenic acid	224-845-1	4519-32-8	19
Arsenic	231-148-6	7440-38-2	19
Arsenic acid, sodium salt	231-547-5	7631-89-2	19
Arsenic acid	231-901-9	7778-39-4	19
Disodium hydrogenarsenate	231-902-4	7778-43-0	19
Calcium arsenate	231-904-5	7778-44-1	19
Trisilver arsenite	232-048-5	7784-08-9	19
Arsenic tribromide	232-057-4	7784-33-0	19
Arsenic trichloride	232-059-5	7784-34-1	19
Trifluoroarsine	232-060-0	7784-35-2	19
Pentafluoroarsorane	232-061-6	7784-36-3	19
Mercury hydrogenarsenate	232-062-1	7784-37-4	19
Manganese hydrogenarsenate	232-063-7	7784-38-5	19
Lead hydrogen arsenate	232-064-2	7784-40-9	19
Potassium dihydrogenarsenate	232-065-8	7784-41-0	19
Diammonium hydrogenarsenate	232-067-9	7784-44-3	19
Arsenic triiodide	232-068-4	7784-45-4	19
Sodium dioxoarsenate	232-070-5	7784-46-5	19
Pentahydroxyarsorane	232-096-7	7786-36-9	19
Flue dust, arsenic-contg.	232-434-3	8028-73-7	19
Lead arsenite	233-083-9	10031-13-7	19
Iron arsenate	233-274-7	10102-49-5	19
Iron bis(arsenate)	233-275-2	10102-50-8	19
Arsenic acid, magnesium salt	233-285-7	10103-50-1	19
Arsenic acid, copper salt	233-286-2	10103-61-4	19
Arsenic acid, calcium salt	233-287-8	10103-62-5	19
Strychnine arsenate	233-970-0	10476-82-1	19
Tricopper arsenide	234-472-6	12005-75-3	19
Dysprosium arsenide	234-473-1	12005-81-1	19
Diiron arsenide	234-474-7	12005-88-8	19
Gadolinium arsenide	234-475-2	12005-89-9	19
Holmium arsenide	234-476-8	12005-92-4	19
Lutetium arsenide	234-477-3	12005-94-6	19
Manganese arsenide	234-478-9	12005-95-7	19

Substance name	EC No.	CAS No.	Entry no.
Terbium arsenide	234-479-4	12006-08-5	19
Thallium arsenide	234-481-5	12006-09-6	19
Thulium arsenide	234-482-0	12006-10-9	19
Ytterbium arsenide	234-483-6	12006-12-1	19
Iron diarsenide	234-485-7	12006-21-2	19
Trizinc diarsenide	234-486-2	12006-40-5	19
Iron arsenide	234-947-8	12044-16-5	19
Digallium arsenide phosphide	234-948-3	12044-20-1	19
Tripotassium arsenide	234-949-9	12044-21-2	19
Trilithium arsenide	234-950-4	12044-22-3	19
Trisodium arsenide	234-952-5	12044-25-6	19
Praseodymium arsenide	234-953-0	12044-28-9	19
Trimagnesium diarsenide	234-954-6	12044-49-4	19
Diarsenic tritelluride	234-955-1	12044-54-1	19
Zinc diarsenide	234-956-7	12044-55-2	19
Nickel diarsenide	235-103-1	12068-61-0	19
Dichromium arsenide	235-499-6	12254-85-2	19
Erbium arsenide	235-501-5	12254-88-5	19
Lanthanum arsenide	235-502-0	12255-04-8	19
Niobium arsenide	235-503-6	12255-08-2	19
Neodymium arsenide	235-504-1	12255-09-3	19
Triantimony arsenide	235-505-7	12255-36-6	19
Samarium arsenide	235-506-2	12255-39-9	19
Tris[(8 α)-6'-methoxycinchonan-9(R)-ol] arsenite	303-002-2	94138-87-1	19
Gallium zinc triarsenide	308-577-3	98106-56-0	19
Vanadium(4+) diarsenate (1:1)	308-917-0	99035-51-5	19
Strychnidin-10-one, arsenite (1:1)	309-388-9	100258-44-4	19
Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich	309-772-6	100995-81-1	19
Arsenic acid (H ₃ AsO ₄), magnesium salt, manganese-doped	310-019-9	102110-21-4	19
Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.	310-063-9	102110-62-3	19
Sodium hexafluoroarsenate(V)	624-772-9	12005-86-6	19
Sodium arsenate dibasic heptahydrate	677-900-0	10048-95-0	19
Sodium cacodylate trihydrate	682-793-9	6131-99-3	19
2,6-dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate	282-682-1	84282-36-0	19
2,6-dimethyl-4-phenylpyrylium hexafluoroarsenate	282-700-8	84304-15-4	19
4-cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate	282-701-3	84304-16-5	19
Aluminium arsenide	245-255-0	22831-42-1	19
Triammonium arsenate	246-428-3	24719-13-9	19
Tricobalt diarsenate	246-429-9	24719-19-5	19
Cobalt arsenide	248-168-6	27016-73-5	19
Nickel arsenide	248-169-1	27016-75-7	19
Tricalcium diarsenite	248-266-9	27152-57-4	19
Sodium metaarsenate	239-171-3	15120-17-9	19
Copper diarsenite	240-574-1	16509-22-1	19
Potassium hexafluoroarsenate	241-102-7	17029-22-0	19
Hydrogen hexafluoroarsenate	241-128-9	17068-85-8	19
N-(p-arsenosophenyl)-1,3,5-triazine-2,4,6-triamine	244-612-8	21840-08-4	19
3-methyl-4-(pyrrolidin-1-yl)benzenediazonium hexafluoroarsenate	248-532-4	27569-09-1	19
Antimony arsenate	249-347-1	28980-47-4	19
Arsenic acid, copper(2+) salt	249-916-4	29871-13-4	19
Lithium hexafluoroarsenate	249-963-0	29935-35-1	19
Ammonium copper arsenate	251-151-6	32680-29-8	19
Europium arsenide	251-206-4	32775-46-5	19
Tristrontium diarsenide	254-407-5	39297-24-0	19
Triphenylsulphonium hexafluoroarsenate(1-)	261-009-5	57900-42-2	19
Zirconium arsenide	262-524-8	60909-47-9	19
Trimanganese arsenide	262-667-6	61219-26-9	19
Disodium 3,6-bis[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	263-516-7	62337-00-2	19
Diphenyliodonium hexafluoroarsenate	263-638-0	62613-15-4	19
4-(ethylamino)-2-methylbenzenediazonium hexafluoroarsenate	264-026-6	63217-32-3	19

Substance name	EC No.	CAS No.	Entry no.
4-(diethylamino)-2-ethoxybenzenediazonium hexafluoroarsenate	264-027-1	63217-33-4	19
Antimony arsenic oxide	264-904-9	64475-90-7	19
Arsenic bromide	265-296-8	64973-06-4	19
Cobalt arsenide	265-784-0	65453-05-6	19
Tris(pentane-2,4-dionato-O,O')silicon hexafluoroarsenate	266-621-6	67251-38-1	19
Slimes and Sludges, copper refining	266-977-2	67712-00-9	19
Silicic acid (H ₄ SiO ₄), zinc salt (1:2), arsenic and manganese-doped	271-895-5	68611-46-1	19
Bis(pentane-2,4-dionato-O,O')boron(1+) hexafluoroarsenate(1-)	272-591-5	68892-01-3	19
Antimony oxide (Sb ₂ O ₃), mixed with arsenic oxide (As ₂ O ₃)	273-156-2	68951-38-2	19
Lead alloy, base, dross	273-700-9	69011-59-2	19
Lead, antimonial, dross	273-795-7	69029-51-2	19
Flue dust, lead-refining	273-809-1	69029-67-0	19
Disilver arsenide	274-573-2	70333-07-2	19
Thallium triarsenide	281-902-3	84057-85-2	19
Oxophenarsine	206-178-8	306-12-7	19
Tritylium hexafluoroarsenate	207-111-5	437-15-0	19
Neoarsphenamine	207-273-7	457-60-3	19
Oxophenarsine hydrochloride	208-682-3	538-03-4	19
Tris[(8 α ,9R)-6'-methoxycinchonan-9-ol] bis(arsenate)	208-971-4	549-59-7	19
Sulfarsphenamine	210-564-1	618-82-6	19
Phenylarsine oxide	211-275-3	637-03-6	19
Dimethylarsinic acid	200-883-4	75-60-5	19
Roxarsone	204-453-7	121-19-7	19
Sodium dimethylarsinate	204-708-2	124-65-2	19
6,6'-dihydroxy-3,3'-diarsene-1,2-diyl dianilinium dichloride	205-386-6	139-93-5	19
Gallium arsenide	215-114-8	1303-00-0	19
Indium arsenide	215-115-3	1303-11-3	19
Leucomycin V, 9-O-[5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl]-, [9(5S,6R)]-, [1,2-ethanediybis(imino-4,1-phenylene)]bis[arsonate] (1:1) (salt)	299-051-1	93841-79-3	19
(diphenylarsino)dimethylgallium	302-587-1	94113-53-8	19
(4-aminophenyl)arsonic acid, compound with piperazine (1:1)	303-952-8	94232-26-5	19
Sodium hydrogen allylarsenate	304-710-4	94278-22-5	19
Disodium p-tolylarsenate	304-956-2	94313-58-3	19
Arsonic acid, [4-[[4-(dimethylamino)phenyl]azo]phenyl]-, monohydrochloride	620-678-7	73688-85-4	19
Tetraphenylarsonium Chloride Hydrochloride Hydrate	621-302-4	123334-18-9	19
Silver hexafluoroarsenate	624-776-0	12005-82-2	19
Arsenic sulfide (As ₂ S ₅)	625-728-1	1303-34-0	19
Arsenic disulfide	627-949-9	1303-32-8	19
Arsenazo III sodium	630-782-4	138608-19-2	19
(Carboxymethyl)trimethylarsonium hydroxide inner salt	634-697-3	64436-13-1	19
Calcium arsenate (CaHAsO ₄) (6Cl,7Cl)	672-782-7	15195-00-3	19
Aluminium gallium arsenide	680-872-2	37382-15-3	19
Arsine, dichloromethyl-	695-189-5	593-89-5	19
Arsino, thioxo-	-	12044-79-0	19
Arsenic acid	-	10102-53-1	19
Arsenic acid (H ₃ AsO ₄), monosodium salt	-	10103-60-3	19
Diarsenic acid, sodium salt	-	13464-42-1	19
Arsenous acid, zinc salt	-	10326-24-6	19
Arsenous acid, lead(2+) salt (1:1)	-	100822-74-0	19
Arsenic acid (H ₃ AsO ₄), lead(4+) salt (3:2)	-	10102-48-4	19
Arsenic acid (H ₃ AsO ₄), copper(2+) salt (4:1)	-	102525-64-4	19
Gallium arsenide phosphide	-	106097-61-4	19
4-Aminophenylarsenoxide	-	1122-90-3	19
Magnesium arsenate, decahydrate	-	117746-50-6	19
Boron arsenide (BAs)	-	12005-69-5	19
Boron arsenide (B ₆ As)	-	12005-70-8	19
Manganese arsenide (Mn ₂ As)	-	12005-96-8	19

Substance name	EC No.	CAS No.	Entry no.
Arsenic acid (H ₃ AsO ₄), lead(2+) salt (2:3), tetrahydrate	-	120119-64-4	19
Tin arsenide (SnAs)	-	12044-32-5	19
Cobalt arsenide (CoAs ₂)	-	12044-42-7	19
Platinum arsenide (PtAs ₂)	-	12044-52-9	19
Cobalt arsenide (CoAs ₃)	-	12256-04-1	19
Tetraarsenic tetrasulfide	-	12279-90-2	19
Arsenic sulfide (As ₂ S ₄)	-	12344-68-2	19
Arsenopyrite, cobaltoan	-	12414-94-7	19
Arsenous acid, antimony(3+) salt (1:1)	-	12523-20-5	19
Arsenic selenide	-	12626-31-2	19
Arsorane, pentahydroxy-, copper(2+) salt (1:2)	-	12774-48-0	19
Arsenic oxide	-	12777-38-7	19
Arsenic acid (H ₃ AsO ₄), ammonium salt (2:1)	-	127795-79-3	19
Nickel arsenide	-	12795-30-1	19
Rammelsbergite (NiAs ₂)	-	1303-22-6	19
Zinc arsenate oxide (Zn ₅ (AsO ₃) ₄ O ₃), tetrahydrate	-	1303-39-5	19
Diarsenic acid	-	13453-15-1	19
Arsenic acid (H ₃ AsO ₄), copper(2+) salt (1:1)	-	13464-31-8	19
Arsenic acid, tripotassium salt	-	13464-36-3	19
Arsenic acid, calcium salt (1:2)	-	13464-39-6	19
Arsenic acid, disodium salt	-	13466-06-3	19
Boron arsenate	-	13510-31-1	19
Zinc arsenate, octahydrate	-	13510-72-0	19
Arsenic acid (H ₃ AsO ₄), bismuth salt (1:1)	-	13702-38-0	19
Arsenous acid	-	13768-07-5	19
Ammonium magnesium arsenate	-	14644-70-3	19
Arsenous acid, calcium salt (2:1)	-	15194-98-6	19
Arsenous acid (HAsO ₂), strontium salt	-	15195-06-9	19
Calcium arsenate fluoride	-	17068-86-9	19
Arsenic chloride (AsCl ₃)	-	17522-78-0	19
Arsenic acid (H ₃ AsO ₄), dipotassium salt	-	21093-83-4	19
Arsenic acid (H ₃ AsO ₄), magnesium salt (2:3)	-	21480-65-9	19
Arsenic pentachloride	-	22441-45-8	19
Arsenous acid, gallium salt (1:1)	-	24343-41-7	19
Manganese arsenate	-	27526-45-0	19
Arsenous acid, zinc salt (2:3)	-	28837-97-0	19
Arsenic acid (H ₃ AsO ₄), cobalt(2+) salt	-	29871-10-1	19
arsenic acid (H ₃ AsO ₄), calcium salt(2:3), dihydrate	-	30621-31-9	19
Arsine oxide, dichloro(2-chlorovinyl)-	-	333-25-5	19
Arsenous acid, tricopper(1+) salt	-	33382-64-8	19
Arsenic acid (H ₃ AsO ₄), lead(4+) salt (2:1), monohydrate	-	33940-95-3	19
Arsenic acid, methyl-, iron salt (9Cl)	-	33972-75-7	19
Arsenous acid, nickel(2+) salt	-	33992-49-3	19
Arsenous acid, tripotassium salt	-	36267-15-9	19
Arsonate	-	36465-76-6	19
Arsenic chloride	-	37226-49-6	19
Iron arsenide	-	39310-41-3	19
Arsine, bis(2-chlorovinyl)chloro-	-	40334-69-8	19
Arsine, tris(2-chloroethenyl)-	-	40334-70-1	19
Arsenic chloride (AsCl ₂)	-	41996-37-6	19
Arsenic acid, (H ₃ -As-O ₄), lead(4+) salt (4:3)	-	53404-12-9	19
(2-Chloroethenyl)arsonous dichloride	-	541-25-3	19
Arsenic sulfide (As ₂ S ₂)	-	56320-22-0	19
Zinc arsenide	-	56450-43-2	19
Arsenous acid, iron(3+) salt (1:1)	-	60168-33-4	19
Sodium oxidoarsonous acid	-	60189-99-3	19
Arsenic trichloride	-	60646-36-8	19
Gallium arsenic phosphide	-	60953-19-7	19
Strontium arsenide (SrAs ₃)	-	61462-16-6	19
(4-((2-Amino-2-oxoethyl)amino)phenyl)arsonic acid	-	618-25-7	19
Arsenic acid, methyl-, compd. with 1-octanamine (1:1)	-	6379-37-9	19
Ferric arsenite, basic	-	63989-69-5	19

Substance name	EC No.	CAS No.	Entry no.
iron;iron(3+);methyl-dioxido-oxo- $\text{As}(\text{V})$ -arsane	-	6585-53-1	19
Silicic acid (H_4SiO_4), magnesium manganese(2+) zinc salt, arsenic and lead-doped	-	68784-76-9	19
Silicic acid (H_4SiO_4), tetraethyl ester, polymer with arsenic oxide (As_2O_3)	-	68957-75-5	19
Arsenous acid, silver(1+) salt	-	69507-43-3	19
Benzenesulfonic acid, 4-arsenoso-, sodium salt	-	71130-50-2	19
Benzenesulfonic acid, 4-arsenoso-	-	71130-51-3	19
Arsenous acid, tricopper(1+) salt, ammoniated	-	37337-11-4	19
Arsenic tetrasulfide	-	56729-51-2	19
Arsonic acid, monoammonium salt	-	54058-01-4	19
Tetraarsenic trisulfide	-	12512-13-9	19
Arsenic(5) hexafluoride	-	16973-45-8	19
Arsenic tetrachloride fluoride	-	87198-15-0	19
Arsonic acid, lead(2+) salt (1:1)	-	109882-46-4	19
Arsenous acid, lithium salt	-	72845-34-2	19
Arsenous acid, copper(2+) salt, hydrate, (2:3:3)	-	73156-86-2	19
Arsenic acid (H_3AsO_4), lead salt	-	7645-25-2	19
Arsenous acid, neodymium(3+) salt	-	76871-63-1	19
Arsenous acid, lutetium(3+) salt	-	76871-65-3	19
Arsenous acid, cadmium neodymium(3+) salt (5:1:1)	-	76871-66-4	19
Arsenic acid (H_3AsO_4), copper(2+) salt (2:3)	-	76407-89-1	19
Arsenous acid, cesium salt	-	82005-78-5	19
Arsenous acid, mercury(2+) salt	-	82980-40-3	19
Arsenous acid, antimony(3+) salt	-	83877-96-7	19
Arsenous acid, cadmium salt	-	84953-43-5	19
Arsenous acid, cobalt(2+) salt	-	85561-28-0	19
Arsenous acid, manganese(2+) salt	-	85561-29-1	19
Arsenous acid, rubidium salt	-	85906-44-1	19
Arsenic acid (H_3AsO_4), calcium salt (7:10)	-	85949-61-7	19
Arsenous acid, praseodymium(3+) salt	-	86859-92-9	19
Arsenous acid, cerium(3+) salt	-	86859-93-0	19
Arsenic acid (H_3AsO_4), copper(2+) salt (1:1), sesquihydrate	-	88442-64-2	19
Arsenic acid (H_3AsO_4), copper(2+) salt (4:5)	-	89054-01-3	19
Arsenic acid (H_3AsO_4), lead(2+) salt (4:5)	-	89054-03-5	19
arsenic acid, calcium salt	-	89054-07-9	19
Arsenic acid (H_3AsO_4), calcium salt (4:5)	-	89067-81-2	19
Strontium arsenite ($\text{Sr}(\text{As}_2\text{O}_4)$)	-	91724-16-2	19
Arsenous acid, titanium salt	-	92278-94-9	19
Arsonic acid, tin salt	-	93080-00-3	19
Arsenous acid, ammonium copper salt	-	94854-78-1	19
Arsenous acid, ammonium zinc salt	-	94854-80-5	19
ARSENIC ACID (H_3AsO_4), HEMIHYDRATE	-	7774-41-6	19
Arsonic acid, methyl-, calcium salt (1:1)	-	6423-72-9	19
trisodium;trioxido(oxo)- $\text{As}(\text{V})$ -arsane;dodecahydrate	-	13510-46-8	19
Arsenic acid (H_3AsO_4), monopotassium salt, 1/5hydrate	-	164170-84-7	19
Tripotassium arsenate 3/2hydrate	-	62702-52-7	19
Arsenous acid	-	13464-58-9	19
Tin arsenide (Sn_4As_3)	-	12397-66-9	19
Disodium 3,6-bis[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	282-453-6	84215-47-4	19
Disodium 3-[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	282-454-1	84215-48-5	19
Dibismuth tris(methylarsonate)	286-401-3	85237-42-9	19
Copper acetoarsenite	601-658-7	12002-03-8	19
Diphenylarsinecarbonitrile	245-716-6	23525-22-6	19
Bis[(2-diphenylarsinoethyl)phenyl]phosphine	245-756-4	23582-05-0	19
[2-(diphenylarsino)ethyl]diphenylphosphine	245-758-5	23582-06-1	19
Disodium hydrogen 2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulphonato-2-naphthyl]azo]benzoate	238-715-7	14674-83-0	19
2,2'-[ethylenebis(oxy)]bis[1,3,2-dioxarsolane]	238-911-2	14849-23-1	19
Chlorotris(triphenylarsine)rhodium	239-051-0	14973-92-3	19
Proustite ($\text{Ag}_3(\text{AsS}_3)$)	239-179-7	15122-58-4	19
Tetraphenylarsonium (hydrogen dichloride)	244-144-4	21006-73-5	19

Substance name	EC No.	CAS No.	Entry no.
Methylenebis(diphenylarsine)	244-639-5	21892-63-7	19
Calcium arsenite	258-147-3	52740-16-6	19
Trisodium 4-[(o-arsonatophenyl)azo]-3-oxidonaphthalene-2,7-disulphonate	258-693-2	53669-45-7	19
Acetarsol sodium	259-714-8	55588-51-7	19
3-formamido-4-hydroxyphenylarsonic acid	262-085-2	60154-16-7	19
Bromo(hydroxytetraphenylarsonato)magnesium	264-254-6	63468-73-5	19
Trisodium 3-[(o-arsonatophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	266-069-6	66019-20-3	19
Tetraphenylarsonium chloride, compound with hydrochloric acid (1:1)	277-208-5	73003-83-5	19
Strychnidin-10-one, compd. with methylarsonate (1:1)	279-614-8	80879-64-7	19
Methyl 17 α -hydroxyyohimban-16 α -carboxylate, methylarsonate (1:1)	279-628-4	80925-03-7	19
Tetramethyldiarsine	207-440-4	471-35-2	19
Melarsoprol	207-793-4	494-79-1	19
Tetraphenylarsonium bromide	208-069-0	507-27-7	19
Tetraphenylarsonium chloride	208-070-6	507-28-8	19
Difetarzone disodium	208-209-0	515-76-4	19
Trisodium 2-(hydrogen arsonatophenylazo)-1,8-dihydroxynaphthalene-3,6-disulphonate	208-285-5	520-10-5	19
Acetarsol-diethylamine (1:1)	208-597-1	534-33-8	19
Tryparsamide	209-070-9	554-72-3	19
10-chloro-5,10-dihydrophenarsazine	209-433-1	578-94-9	19
Sodium hydrogen [4-(acetamido)phenyl]arsonate	209-558-1	585-54-6	19
Allylarsonic acid	209-678-4	590-34-1	19
Methyloxoarsine	209-799-2	593-58-8	19
Trimethylarsine	209-815-8	593-88-4	19
Dichloro(ethyl)arsine	209-919-3	598-14-1	19
Triphenylarsine	210-032-9	603-32-7	19
Triethylarsine	210-526-4	617-75-4	19
4-acetamidophenylarsonic acid	210-541-6	618-22-4	19
4-(4-dimethylaminophenylazo)phenylarsonic acid	210-750-2	622-68-4	19
Iododimethylarsine	211-630-2	676-75-5	19
Dichloro(phenyl)arsine	211-791-9	696-28-6	19
Chlorodiphenylarsine	211-921-4	712-48-1	19
Diphenylarsine	212-589-3	829-83-4	19
Methyl 1,2,5,6-tetrahydro-1-methylnicotinate, mono[(3-acetamido-4-hydroxyphenyl)arsonate]	212-983-5	900-77-6	19
Methyldiphenylarsine	213-414-3	945-48-2	19
Triphenylarsine oxide	214-571-0	1153-05-5	19
Diphenoarsin-10-yl oxide	200-377-3	58-36-6	19
Acetarsol	202-582-3	97-44-9	19
Phenylarsonic acid	202-631-9	98-05-5	19
4-hydroxyphenylarsonic acid	202-641-3	98-14-6	19
Arsanilic acid	202-674-3	98-50-0	19
Nitarzone	202-695-8	98-72-6	19
Propylarsonic acid	203-482-2	107-34-6	19
Glycobiarsol	204-143-1	116-49-4	19
Arsthinol	204-361-7	119-96-0	19
Carbarsone	204-484-6	121-59-5	19
Methylarsonic acid	204-705-6	124-58-3	19
Disodium arsonoacetate	204-806-5	126-82-9	19
Sodium hydrogen 4-aminophenylarsonate	204-869-9	127-85-5	19
4-[(2-arsonatophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonic acid	205-058-2	132-33-2	19
Sodium hydrogen [4-[(hydroxyacetyl)amino]phenyl]arsonate	205-415-2	140-45-4	19
Disodium methylarsonate	205-620-7	144-21-8	19
4-(glycolloylamino)phenylarsonic acid	205-643-2	144-87-6	19
Methyltriphenylarsonium iodide	216-108-8	1499-33-8	19
2,7-bis(2-arsonatophenylazo)-1,8-dihydroxynaphthalene-3,6-disulphonic acid	216-788-6	1668-00-4	19
o-phenylenediarsinic acid	217-154-1	1758-48-1	19
Sodium p-[[4-[3-(2-arsono-4-nitrophenyl)triazin-1-yl]phenyl]azo]benzenesulphonate	217-197-6	1772-02-7	19
2-aminophenylarsonic acid	218-064-5	2045-00-3	19
3-amino-4-hydroxyphenylarsonic acid	218-494-3	2163-77-1	19
Sodium methylarsonate	218-495-9	2163-80-6	19
10-chloro-10H-phenoxarsine	220-684-6	2865-70-5	19
Tri-p-tolylarsine	220-776-6	2896-10-8	19
Disodium 3-[(o-arsonatophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	222-600-3	3547-38-4	19
Disodium [4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonate	222-749-4	3599-28-8	19

Substance name	EC No.	CAS No.	Entry no.
Difetarzone	222-866-0	3639-19-8	19
2-[[7-[(2-aronophenyl)azo]-1,8-dihydroxy-3,6-disulpho-2-naphthyl]azo]benzoic acid	223-216-9	3772-44-9	19
p-tolylarsonic acid	223-588-2	3969-54-8	19
Ethylenebis(diphenylarsine)	224-629-7	4431-24-7	19
10-[(dimethylthiocarbamoyl)thio]-5,10-dihydrophenarsazine	225-368-1	4808-24-6	19
2-nitrophenylarsonic acid	226-485-0	5410-29-7	19
4-(2-chloroacetamido)phenylarsonic acid	226-569-7	5425-62-7	19
4-chlorophenylarsonic acid	226-622-4	5440-04-0	19
Calcium bis(dimethylarsinate)	227-311-6	5785-43-3	19
[4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonic acid	227-365-0	5806-89-3	19
Sodium hydrogen (3-acetamido-4-hydroxyphenyl)arsonate	227-573-1	5892-48-8	19
Calcium bis(methylarsonate)	227-598-8	5902-95-4	19
Iron tris(dimethylarsinate)	227-759-2	5968-84-3	19
Diiodo(phenyl)arsine	228-965-5	6380-34-3	19
Sodium p-aronobenzenesulphonate	229-632-7	6634-88-4	19
4-(4-aminophenylazo)phenylarsonic acid	230-176-6	6966-64-9	19
Sodium 4-(glycolloylamino)phenylarsonate	231-680-9	7681-83-6	19
Arsine	232-066-3	7784-42-1	19
Potassium arsonate	233-337-9	10124-50-2	19
Copper arsonate	233-644-8	10290-12-7	19
Strychnine dimethylarsinate	233-973-7	10476-87-6	19
Tricadmium diarsenide	234-484-1	12006-15-4	19
o-phenylenebis(dimethylarsine)	236-227-9	13246-32-7	19
Melarsonyl potassium	236-405-6	13355-00-5	19
Thiobis(methylarsine), anhydrosulphide	236-436-5	13367-92-5	19
Organostannic compounds	-	-	20
Di-μ-oxo-di-n-butylstanniohydroxyborane / Dibutyltin hydrogen borate C ₈ H ₁₉ B ₃ O ₃ Sn (DBB)	401-040-5	75113-37-0	21
Cadmium and its compounds	-	-	23
Monomethyl — tetrachlorodiphenyl methane Trade name: Ugilec 141	-	76253-60-6	24
Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121, Ugilec 21	-	-	25
[No public or meaningful name is available]	-	99688-47-8	26
Nickel and its compounds	-	-	27
Nickel	231-111-4	7440-02-0	27
Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.	-	-	28
Carcinogen category 1B (Table 3.1)/ carcinogen category 2 (Table 3.2) listed in Appendix 2	-	-	28
Carcinogen category 1A (Table 3.1)/ carcinogen category 1 (Table 3.2) listed in Appendix 1	-	-	28
Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.	-	-	29
Mutagen category 1B (Table 3.1)/ mutagen category 2 (Table 3.2) listed in Appendix 4	-	-	29
Mutagen category 1A (Table 3.1)/ mutagen category 1 (Table 3.2) listed in Appendix 3	-	-	29
Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.	-	-	30
Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6	-	-	30
Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5	-	-	30
Creosote and Creosote related substances	-	-	31
Distillates (coal tar), upper; heavy anthracene oil	266-026-1	65996-91-0	31
Distillates (coal tar), naphthalene oils; naphthalene oil	283-484-8	84650-04-4	31
Anthracene oil	292-602-7	90640-80-5	31
Creosote oil, acenaphthene fraction; wash oil	292-605-3	90640-84-9	31
Creosote, wood	232-419-1	8021-39-4	31
Tar acids, coal, crude; crude phenols	266-019-3	65996-85-2	31
Creosote; wash oil	232-287-5	8001-58-9	31
Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline	310-191-5	122384-78-5	31

Substance name	EC No.	CAS No.	Entry no.
Creosote oil; wash oil	263-047-8	61789-28-4	31
Chloroform	200-663-8	67-66-3	32
1,1,2-Trichloroethane	201-166-9	79-00-5	34
1,1,2,2-Tetrachloroethane	201-197-8	79-34-5	35
1,1,1,2-Tetrachloroethane	-	630-20-6	36
Pentachloroethane	200-925-1	76-01-7	37
1,1-Dichloroethene	200-864-0	75-35-4	38
Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not	-	-	40
Hexachloroethane	200-666-4	67-72-1	41
Azocolourants and Azodyes	-	-	43
A mixture of: disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-); trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-)	405-665-4	118685-33-9	43
4-o-tolylazo-o-toluidine	202-591-2	97-56-3	43
Diphenylether, octabromo derivative C ₁₂ H ₂ Br ₈ O	-	-	45
Diphenyl ether, octabromo derivative	251-087-9	32536-52-0	45
Entry 46	-	-	46
Nonylphenol C ₆ H ₄ (OH)C ₉ H ₁₉	246-672-0	25154-52-3	46
Nonylphenol ethoxylates (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	-	-	46
Nonylphenol ethoxylates (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	-	-	46a
Nonylphenol, ethoxylated	500-024-6	9016-45-9	46a
4-Nonylphenol, ethoxylated	500-045-0	26027-38-3	46a
Isononylphenol, ethoxylated	609-346-2	37205-87-1	46a
4-Nonylphenol, branched, ethoxylated	500-315-8	127087-87-0	46a
Nonylphenol, branched, ethoxylated	500-209-1	68412-54-4	46a
Chromium VI compounds	-	-	47
Toluene	203-625-9	108-88-3	48
Trichlorobenzene	204-428-0	120-82-1	49
Polycyclic-aromatic hydrocarbons (PAH)	-	-	50
Benzo[a]pyrene (BaP)	-	50-32-8	50
Dibenzo[a,h]anthracene (DBaA)	-	53-70-3	50
Benzo[a]anthracene (BaA)	-	56-55-3	50
Chrysen (CHR)	-	218-01-9	50
Benzo[j]fluoranthene (BjFA)	-	205-82-3	50
Benzo[b]fluoranthene (BbFA)	-	205-99-2	50
Benzo[k]fluoranthene (BkFA)	-	207-08-9	50
Benzo[e]pyrene (BeP)	-	192-97-2	50
Diisobutyl phthalate (DIBP); Dibutyl phthalate (DBP); Benzyl butyl phthalate (BBP); Bis(2-ethylhexyl) phthalate (DEHP)	-	-	51
Diisobutyl phthalate	201-553-2	84-69-5	51
Bis (2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	51
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	51
Dibutyl phthalate (DBP)	201-557-4	84-74-2	51
The following phthalates (or other CAS and EC numbers covering the substance) (See group members) [Entry 52]	-	-	52
Di-n-octyl phthalate (DNOP)	204-214-7	117-84-0	52
Di-"isodecyl" phthalate (DIDP)	247-977-1	26761-40-0	52
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	271-091-4	68515-49-1	52
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	271-090-9	68515-48-0	52
Di-"isononyl" phthalate (DINP)	249-079-5	28553-12-0	52
2-(2-methoxyethoxy)ethanol (DEGME)	203-906-6	111-77-3	54
2-(2-butoxyethoxy)ethanol (DEGBE)	203-961-6	112-34-5	55
Methylenediphenyl diisocyanate (MDI) including the following specific isomers (See group members):	-	-	56
4,4'-Methylenediphenyl diisocyanate	202-966-0	101-68-8	56
Methylenediphenyl diisocyanate (MDI)	247-714-0	26447-40-5	56
2,4'-Methylenediphenyl diisocyanate	227-534-9	5873-54-1	56
2,2'-Methylenediphenyl diisocyanate	219-799-4	2536-05-2	56

Substance name	EC No.	CAS No.	Entry no.
Cyclohexane	203-806-2	110-82-7	57
Ammonium nitrate (AN)	229-347-8	6484-52-2	58
Dichloromethane	200-838-9	75-09-2	59
Acrylamide	201-173-7	79-06-1	60
Dimethyl fumarate (DMFu)	210-849-0	624-49-7	61
Entry 62	-	-	62
Phenylmercury octanoate	-	13864-38-5	62
Phenylmercury neodecanoate	247-783-7	26545-49-3	62
Phenylmercury 2-ethylhexanoate	236-326-7	13302-00-6	62
Phenylmercury propionate	203-094-3	103-27-5	62
Phenylmercury acetate	200-532-5	62-38-4	62
Lead and its compounds	-	-	63
Lead	231-100-4	7439-92-1	63
Lead compounds	-	-	63
1,4-Dichlorobenzene	203-400-5	106-46-7	64
Inorganic ammonium salts	-	-	65
4,4'-isopropylidenediphenol	201-245-8	80-05-7	66
C9-C14 linear and/or branched perfluorocarboxylic acids (C9-C14 PFCAs), their salts and C9-C14 PFCAs-related substances, perfluorononan-1-oic acid (PFNA); nonadecafluorodecanoic acid (PFDA); hencosafluoroundecanoic acid (PFUnDA); tricosafuorododecanoic acid (PFDoDA); pentacosafuorotridecanoic acid (PFTTrDA); heptacosafuorotetradecanoic acid (PFTDA); including their salts and precursors	-	-	68
Tricosafuorododecanoic acid	206-203-2	307-55-1	68
Nonadecafluorodecanoic acid	206-400-3	335-76-2	68
Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	68
Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	68
Hencosafluoroundecanoic acid	218-165-4	2058-94-8	68
Perfluorononan-1-oic acid	206-801-3	375-95-1	68
Methanol	200-659-6	67-56-1	69
Octamethylcyclotetrasiloxane (D4); Decamethylcyclopentasiloxane (D5)	-	-	70
Octamethylcyclotetrasiloxane	209-136-7	556-67-2	70
Decamethylcyclopentasiloxane	208-764-9	541-02-6	70
1-methyl-2-pyrrolidone	212-828-1	872-50-4	71
The following substances which are classified as carcinogenic, mutagenic or toxic for reproduction, category 1A or 1B (See group members) [Entry 72]	-	-	72
(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silanetriol and any of its mono-, di- or tri-O-(alkyl) derivatives	-	-	73
Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	288-657-1	85857-16-5	73
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	257-473-3	51851-37-7	73
Diisocyanates	-	-	74
Substances in tattoo inks and permanent make up	-	-	75
N,N-dimethylformamide	200-679-5	68-12-2	76
Formaldehyde and formaldehyde releasers	-	-	77
Formaldehyde	200-001-8	50-00-0	77
synthetic polymer microparticles	-	-	78

APPLICABLE REFERENCE DOCUMENTS

- Canadian Environmental Protection Act 1999
- California Proposition 65
- Danish Executive Order No 1113
- Decree No. 2012-232 - Mandatory Reporting of Nanoparticulate Substances Placed on the Market
- Directive 2000/53/EC on the end-of life vehicles.
- Directive 94/62/EC on Packaging and Packaging Waste and subsequent amendments
- Directive 96/29 Euratom – Ionizing Radiation
- EU Directive 76/769/EEC relating to restrictions on the marketing and use of certain dangerous substances and preparations and its amendments
- EC Regulation No. 850/2004 on persistent organic pollutants – POPs Regulation
- EU Directive 2002/61/EC of July 2002 - restriction of Azo colorants and dyes
- Directive 2011/65/EU on the Restriction of Hazardous Substances in Electrical and Electronic Equipment
- EU Directive 91/338/EEC restrictions on the use of Cadmium and its amendments
- EU regulation No. 995/2010, Obligation of Operator Who Place Timber and Timber Products on the Market
- China RoHS – Administration of the Pollution Control of Electronic Information Products
- Germany Chemicals Prohibition Ordinance (ChemVerbotsV) Japan Industrial Safety and Health Law
- Japan Law on the Regulation of Chemical Substances Joint Industry Guide (JIG), 4th Edition
- Korean packaging waste law Lacey Act; 16 USC 3371-3378
- Montreal Protocol
- Norwegian Product Regulation – Regulated Substances, Preparations and Products
- Nuclear Legislation in OECD and NEA Countries
- Order for the Enforcement of the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture
- Prohibition of Certain Toxic Substances Regulations, 2012 (SOR/2012-285)
- REACH: Regulation (EC) No 1907/2007 of the European Parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals
- Stockholm Convention on Persistent Organic Pollutants
- Swiss Ordinance 813.11: on Protection against Dangerous Substances and Preparations
- Technical Rules for Hazardous Substances (TRGS) 614 TSCA: US Code of

Toxic Substance Control Act of 1976

- U.S. CFR: United States Code of Federal Regulation
- U.S. Consumer Product Safety Improvement Law
- U.S. EPA Clean Air Act
- U.S. EPA Toxic Air Pollutant
- Additional requirements

REVISION HISTORY

Revision	Change Originator	Description of Revision and Reason	Change Analyst	Effective Date
O -AB		Go to document repository (Doc Server) for detailed description of revision not listed in this table.		
AC	Jozef Vavro	Updated Table C “Substances of Very High Concern under REACH”. Added 4 new substances of very high concern (SVHC) included in the ECHA list as of 16 January, 2020. Updated font of date for some items. Into 6.2 inserted: 5. For tests on Beryllium required test methods are US EPA 3050B and US EPA 3052. 6.2 Changed : (For homogeneous materials to be tested on RoHS restricted substances see Table E), instead of previously listed materials. 6.2.Changed order of other points. Updated Table E. ECO-NBOI-242923	L. Patagan	23 Mar 2020
AD	Rastislav Drska	Text replacing from “ON Semiconductor active products do not contain any of the Substances of Very High Concern (SVHC) included till July 2019” to “ON Semiconductor active products do not contain substances included in the Candidate List of Substances of Very High Concern (SVHC) included till June 2020” (page 16) Updated Table C renamed from “Substances of Very High Concern under REACH” to more “Candidate List of Substances of Very High Concern (SVHC) under REACH”. Added 4 new substances included in the ECHA list as of 25 June, 2020. “Selected Fluorinated greenhouse gases covered by regulation EC No.842/2006” (not valid) replaced by new EC No.517/2014 ECO-NBOI-255372	L. Patagan	29 Jul 2020
AE	Rastislav Drska	No Track changes is applied. Major revision of Product Chemical Content Brochure. Split previous document to two parts, fist is focused to products and second one is for manufacturing and services Updated logo for company rebranding implementation ECO-NBOI-298529	L. Patagan	21 Sept 2021
AF	Rastislav Drska	Major revision of Product Chemical Content Brochure – structure of document Added Exemption 10a Packing materials section revision Table 2 – PFOS and PFOA – added to table Table 3 - SVHC – content update Table 4 - REACH Annex XIV – content update Table 5 - REACH Annex XVII – content update No Track changes is applied. ECO-NBOI-330322	L. Patagan	16 Aug 2022

Revision	Change Originator	Description of Revision and Reason	Change Analyst	Effective Date
AG	Rastislav Drska	Requirements for a third-party analytical test report for RoHS and halogen- free compliance – reports in cured-state will have a two-year expiration. Table 2 – content update Table 3 - SVHC – content update Table 4 - REACH Annex XIV – content update Table 5 - REACH Annex XVII – content update	L. Patagan	07 Nov 2022
AH	Rastislav Drska	Requirements for a third-party analytical test report for RoHS and halogen- free compliance, Sb ₂ O ₃ test results must show total antimony trioxide concentration below 900 ppm level Table 1, added Decabromodiphenyl Ethane and Dechlorane Plus Table 3 - SVHC – content update Per ECO-NBOI-347064	L. Patagan	20 Jan 2023
AJ	Rastislav Drska	Tab2b requirements for a third-party analytical test report for Fluorine and Arsenic Table 3 - SVHC – content update ECO-NBOI-366025	L. Patagan	02 Aug 2023
AK	Rastislav Drska	Table 3 - SVHC – content update Table 5 - REACH Annex XVII – content update ECO-NBOI-383082	L. Patagan	31 Jan 2024