

Standards for Hazardous Substances Contained in Products

Material for Distribution to Suppliers

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azbil Group

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1 Purpose

Reduction of hazardous chemical substances in products

To prevent environmental contamination from hazardous chemical substances contained in our products, the azbil Group endeavors to reduce these substances in targeted products. To support our efforts, we have established "Guidelines for the Construction of Chemical Substance Management Systems," and we ask for the understanding and cooperation of our business partners in striving to reduce hazardous chemical substances contained in targeted products throughout the supply chain.

This standard defines the hazardous chemical substances whose inclusion in products is restricted as part of the above initiative. Please also forward this document to upstream suppliers in the azbil Group's supply chain.

2 Scope

This standard applies to the azbil Group products and purchased products, parts, materials, and packaging materials that make up those products. We will inform our suppliers of applicable purchased products. Regarding packaging materials, if it is clear that they will be used for packing, protecting, and delivering purchased items and will be discarded at the azbil Group production bases, this standard does not apply to them.

3 Definitions of Terms

Terms used in this standard are as follows.

1) Management system for restricted substances in product (CMS)

In the azbil Group, the system for managing chemical substances contained in products is called the Chemical-substance Management System (CMS).

2) Restricted substances

Substances whose use in products is already restricted by regulations for chemical substances contained in products, substances that will be restricted in the near future, and substances whose use is voluntarily restricted by the azbil Group are "restricted substances." Relevant regulations on chemical substances contained in products are those for chemical substances whose inclusion in electrical and electronic products is restricted in Japan and/or overseas.

3) Advance notice of restricted substances

Substances whose use in products are highly likely to be restricted by laws and regulations, and substances that are voluntarily restricted by the azbil Group are referred to as "advance notice of restricted substances."

We will notify our suppliers when we request conformity to "advance notice of restricted substances" by the request of the azbil Group's business divisions.

4) Restricted substance layer

Restricted substances to be managed differ according to the market requirements for the azbil Group products. Azbil defines these restricted substances in a hierarchical structure. In this standard, control categories are called "Restricted substance layer."

The relationship between restricted substances and restricted substance layer is shown in Table 3.1.

When we inform our suppliers of a purchased item to be managed, we will also inform them of the applicable restricted substance layer.

- A) Restricted substance layer 1 < Instruction symbol: Layer 1>
 - Restricted substances for products used in industrial applications
- B) Restricted substance layer 2 (RoHS restricted 10 substances) <Instruction symbol: Layer 2(RoHS10)>
 - Ten restricted substances in compliance with the EU RoHS Directive
- C) Restricted substance layer 3 < Instruction symbol: Layer 3 >
 - Restricted substances for customer use

Restricted substances to be managed for purchased items differ depending on the products for which the purchased items are used.

For purchased products that require compliance with substance restrictions for industrial-use products, please comply with the restrictions defined for restricted substance Layer 1.

For purchased products that require compliance with the EU RoHS Directive, it is also necessary to comply with substance restrictions for industrial use, so please comply with the restricted substance for Layer 1 and 2 (RoHS 10).

For purchased products that require compliance with the substance restrictions for customer use, it is also necessary to comply with industrial-use restrictions and the EU RoHS Directive, so please comply with the restricted substance for Layer 1, Layer 2 (RoHS 10) and Layer 3.

Figure 3.1 shows the restricted substance layer required for purchased items.

Compliance required for purchased items	Restricted substance	layer (Instruction symbo	l) for purchased items
Restricted substances for products used in	Layer 1		
industrial applications			
In addition to the above, compliance with	Layer 1	Layer 2 (RoHS10)	
the EU RoHS Directive			
In addition to the above, compliance with	Layer 1	Layer 2 (RoHS10)	Layer 3
substance restrictions for customer use			·

Table 3.1. Restricted substance layer for purchased items

5) azbil Group Regulation

This company standard defines prohibitions on intentional use, or the maximum percentage of restricted substances that may be included.

A) Prohibitions on intentional use

Prohibition on intentional use in this standard means the following.

- Prohibition on the intentional use of chemical substances during the manufacture of purchased products
- Prohibition on the purchased product containing the substance as a by-product at the time of manufacture

B) Concentration (Wt%)

Unless otherwise stated, the concentrations shown in this standard are the percentage of the restricted substance with a mass of homogeneous material as the denominator. A homogeneous material is a material that cannot be mechanically decomposed into different materials.

The following are examples of cases where management of the concentration is needed.

- The maximum concentration when the chemical substance is intentionally used in the manufacture of a purchased product
- The maximum concentration of the chemical substance contained in natural materials that are not intentionally used in the purchased product, but that cannot be removed by technological means during the material refining process.
- The maximum concentration of a chemical substance that is not intentionally used in the purchased product and is managed to prevent contamination of the product during manufacturing.
- C) When prohibition on intentional use and maximum concentration are both indicated
 In this standard, when both prohibition on intentional use and a restriction on concentration are indicated, the
 maximum concentration is the threshold the maximum allowed concentration when chemical substances
 contained in natural materials cannot be removed by technological means during the material refining process.

6) Exemptions

Exemptions specify particular uses, substances, etc., that are not included in the scope of restrictions stated in this standard.

7) IEC62474

One of the international standards published by the International Electrotechnical Commission (IEC). A document that specifies material declarations related to products and the electricity/electronic industry. Substances and substance groups to be declared are published in the Declarable Substances List (DSL) managed in the IEC 62474 database (IEC 62474 DB). For details on the IEC 62474 database, see the URL below.

http://std.iec.ch/iec62474

8) chemSHERPA

The general name for standardized formats that can be used throughout a supply chain to properly manage the chemical substances contained in products and to comply continuously with expanding regulations. For details, see the URL below.

https://chemsherpa.net/

4 Controlled chemical substances

4.1 Restricted substances

Table 4.1 Restricted substances (Substance Groups)

1able 4.1	Resure	icu substa	nces (Substance Groups)			
Restricted						
substance	Control	IEC62474				
Layer	No.	DSL-ID	Substance Group	azbil Group Regulation	Major Referenced Laws and Regulations	Typical Applications
Layer 1	I 1	00046	Polychlorinated Biphenyls (PCBs) and specific substitutes		[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [USA] Toxic Substances Control Act (TSCA); [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Insulation oil, lubricant oil, electrical insulation medium,
Layer 1	I 2	00047	Polychlorinated terphenyls (PCTs)	Not more than 0.005wt%(50ppm) in material		Insulation oil, lubricant oil, electrical insulation medium, solvent, electrolytic solution, plasticizers, fire retardants, coatings for electrical wire and cable, dielectric sealants
Layer 1	Ι3	00048	Polychlorinated naphthalenes	Prohibitions on intentional use	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Lubricant, paint, stabilizer (electric characteristic, flame-resistant, water-resistant) insulator, flame retardant
Layer 1	I 4		Short chain chlorinated paraffins (SCCP, C10-13)	Prohibitions on intentional use	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Plasticizer for PVC, flame retardant
Layer 1	I 7 I 8	00055	Bis(tributyltin) oxide (TBTO) Tri-substituted organostannic compounds	Prohibitions on intentional use Tin in article should not be more than 0.1% by weight (1,000 ppm)	Regulation of Their Manufacture, etc; [EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII.	Bis(tributyltin) oxide (TBTO) Antiseptic, antifungal agent, paint, pigment, antistaining, refrigerant, foaming agent, extinguishant, solvent cleaner Tri-substituted organostannic compounds Stabilizer, antioxidant, antibacterial and antifungal agents, antifoulant, antiseptic, anti-fungal agent, paint, pigment, antistaining
Layer 1	I 9	00003	Asbestos	Prohibitions on intentional use	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [USA] Toxic Substances Control Act (TSCA); [Japan]Industrial Safety and Health Act	Insulator, filler, pigment, paint, talc
Layer 1	I11 I12		Ozone Depleting Substances (CFC, Halon, HBFC, HCFC,etc)	Prohibitions on intentional use	Montreal Protocol; [Japan] Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures;	
Layer 1	I44	00124 00125	Perfluorooctane sulfonates (PFOS)	Prohibitions on intentional use	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Antistatic agent for films and plastics
Layer 1	I45		2-benzotriazol-2-yl-4,6-di-tert-butyl phenol (UV-320) (CAS No. 3846-71-7)	Prohibitions on intentional use	[Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	UV-stabilizer in adhesives, paints, printing inks, plastics, inked ribbons, putty, caulking or sealing fillers
Layer 1	I47	00016	Dimethylfumarate (DMF)	Not more than 0.00001wt%(0.1 ppm) in a article	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	Biocide, mold prevention treatment of electronic leather seats, including recliners, massage chairs

Restricted						
substance	Control	IEC62474				
Layer	No.	DSL-ID	Substance Group	azbil Group Regulation	Major Referenced Laws and Regulations	Typical Applications
Layer 1	152	00020	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:	Prohibitions on intentional use	[Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004	Flame retardant; mainly used for expanded polystyrene and some types of fiber
Layer 1	153	00160 00161	Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA	Prohibitions on intentional use PFOA and individual salts: not more than 25 ppb Esters of PFOA: not more than 1,000 ppb	[Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004	Textiles, photographic coatings applied to films, paper or printing plates and other coated consumer products.
Layer 1	I61	~	Four heavy metals Packaging Cadmium, Lead, Chromium(VI), Mercury and their Compounds	Total wt concentration of Cd/Pb/Hg/Cr6+: not more than 100 ppm	[EU] Directive on Packaging and Packaging Waste	Refer I15 to I18
Layer 1	160		Four phthalates DEHP (2) Accessories BBP (3) Products not covered by DIBP RoHS directive	Less than 1,000 ppm of four phthalates combined contained in plasticized materials <exemptions> (a) within the scope of RoHS (b) articles exclusively for industrial use, or for use exclusively in the open air, provided that no plasticised material comes into prolonged contact with human skin.</exemptions>	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	Refer I56 to I59
Layer 1	I62	00182	Long chain perfluorocarboxyli acids (C9-C14PFCAs)	c Not more than 0.0000025 mass%(25ppb) of article	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	emulsifiers used for manufacturing the Fluoropolymers
Layer 1	I63	00183	C9-C14 PFCAs related substances	Not more than 0.000026 mass%(260ppb) of article	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	and fluoroelastomers
Layer 1	I64	00174	Phenol, Isopropylated Phosphate (3:1) (PIP (3:1))	Prohibitions on intentional use < Exemptions> -lubricants and greases -Recycled plastics that do not intentionally contain PIP (3:1)	[USA] Toxic Substances Control Act (TSCA)	Flame retardant and/or plasticizer in polymers such as flexible polyurethane foam and PVC, adhesives and sealants.
Layer 1	I65	00143	Perfluorohexane-1-sulphonic acid (PFHxS), its salts, and PFHxS-related Substances	PFHxS and its salts: not more than 0.0000025 mass%(25ppb) of article PFHxS-related Substances: not more than 0.0001mass%(1ppm)	[EU] Persistent Organic Pollutants (POPs)	Impurity in production of PFOS and alternative for PFOS, a surfactant which can be found in protective coatings and adhesives which are resistant to water, dirt, oils etc.

Restricted								
substance			IEC62474	G 1		111.0 P 1.1	M. D. C. L. ID. L.	
Layer 1	1	No. I13	DSL-ID 00044	Substanc Polybrominated bip (PBB)	phenyls	azbil Group Regulation Prohibitions on intentional use Not more than 1,000 ppm in homogeneous materials	Major Referenced Laws and Regulations [EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [EU] RoHS Directive 2011/65/EU and its amendments; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Typical Applications Flame retardant
Layer 1		I14	00045	Polybrominated diphenyl ethers (PBDE)		Prohibitions on intentional use Not more than 1,000 ppm in homogeneous materials	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [EU] RoHS Directive 2011/65/EU and its amendments; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Flame retardant
Layer 1		I15	00010 00011	Cadmium/Cadmiu m compounds	Portable Battery or accumulators	Not more than 20 ppm (w/w)	[EU] Battery Directive 2006/66/EC;	Pigments, anti-corrosion surface treatments, optical glass, heat stabilizers, plating, fluorescent materials,
				Other uses	Not more than 100 ppm in homogeneous materials Exemptions>Refer table 4.3	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII. [EU] RoHS Directive 2011/65/EU and its amendments;	electrodes, low melting solders, electric contacts, zinc plating, photoelectric applications, phosphor coatings, bearing alloys, relay contact	
Layer 1	tances	I18	00029 00030	Mercury/Mercury Compounds	Battery	Less than 5 ppm	[EU] Battery Directive 2006/66/EC;	Fluorescent bulb, contact point material, pigment, anti-corrosion, switches, antibacterial treatment
	ted 10 subs		00132	-	Other uses	Not more than 1,000 ppm in homogeneous materials <exemptions>Refer table 4.3</exemptions>	[EU] RoHS Directive 2011/65/EU and its amendments; [Japan] Act on Preventing Environmental Pollution of Mercury; [EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII;	
Layer 2 (RoHS10)	RoHS restricted 10 substances	I16	00021 00022 00023 00024 00025	Lead/Lead Compo	unds	Not more than 1,000 ppm in homogeneous materials <exemptions>Refer table 4.3</exemptions>	[EU] RoHS Directive 2011/65/EU and its amendments;	Rubber hardener, pigment, paint, lubricant, plastic stabilizer, materials for battery, free-machining alloy, free-cutting steels, optical materials, X-ray shielding in CRT glass, electrical solder material, mechanical solder materials, curing agent, vulcanizing agent, ferroelectrics, resin stabilizer, plating, metal alloy, resin additives
Layer 2 (RoHS10)		I17	00012			Not more than 1,000 ppm in homogeneous materials <exemptions>Refer table 4.3</exemptions>	[EU] RoHS Directive 2011/65/EU and its amendments;	Pigment, paint, ink, catalyst, plating, anticorrosion surface treatment, dye, paint dryer, surface treatment
Layer 2 (RoHS10)		I56	00038	Dibutyl phthalate (DBP)		Not more than 1,000 ppm in homogeneous materials	[EU] RoHS Directive 2011/65/EU and its amendments	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant
Layer 2 (RoHS10)		I57	00039			Not more than 1,000 ppm in homogeneous materials	[EU] RoHS Directive 2011/65/EU and its amendments	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant
Layer 2 (RoHS10)		I58		Benzyl butyl phtha		Not more than 1,000 ppm in homogeneous materials	[EU] RoHS Directive 2011/65/EU and its amendments	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant
Layer 2 (RoHS10)		I59	00041	Diisobutyl phthalat		Not more than 1,000 ppm in homogeneous materials	[EU] RoHS Directive 2011/65/EU and its amendments	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant

Restricted substance	Control	IEC62474					
Layer	No.	DSL-ID	Substan	ce Group	azbil Group Regulation	Major Referenced Laws and Regulations	Typical Applications
Layer 3	150	00014)Products for the	Tin should not be more than 0.1 % by weight (1000 ppm) in homogeneous materials	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	
Layer 3	151	00015	Dioctyltin (DOT	Products for the general public that can be categorized in any of the following: (a) Textile and leather articles intended to come into contact with the skin, or (b) childcare articles, or (c)two-compone nt room temperature vulcanization molding kits (RTV-2 molding kits)	Tin should not be more than 0.1 % by weight (1000 ppm) in homogeneous materials	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	Stabilizer for PVC, curing catalyst for silicone resin and urethane resin
Layer 3	154	00109	Polycyclic aromatic hydrocarbons (PAHs)	Rubber or plastic components which come in contact with human skin or the oral cavity directly, either for a long time or short period of time.	Any of the banned PAH contents not exceeding 1 ppm	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers

4.2 Advance notice of restricted substances

Table 4.2 Advance notice of restricted substances (Substance Groups)

Restricted						
substance	Control	IEC62474				
Layer	No.	DSL-ID	Substance Group	azbil Group Regulation	Major Referenced Laws and Regulations	Typical Applications
Layer 1	I66	00147	1,6,7,8,9,14,15,16,17,17,18,18-Dode	Prohibitions on intentional use	Scheduled restrictions due to additions to Annex A of the	Flame retardant for electric wire and cable covering
			cachloropentacyclo[12.2.1.16,9.02,1		POPs Convention	material
			3.05,10]octadeca-7,15-diene			
			("Dechlorane Plus"TM)			
Layer 1	I67	00130	2-(2H-benzotriazol-2-yl)-4,6-ditertp	Prohibitions on intentional use	Scheduled restrictions due to additions to Annex A of the	UV stabilizer
			entylphenol (UV-328)		POPs Convention	

Note: The business divisions of the azbil Group may require compliance with the advance notice of restricted substances.

4.3 Substances that require information provision

Substances that require information provision pursuant to Article 33 of the EU REACH Regulation are substances of very high concern (SVHC), as well as substances and substance groups listed in the Declarable Substances List in the IEC 62474 database.

A substance that requires information provision may be included in products, but if its concentration exceeds the reporting threshold set by IEC 62474, or if it is below the reporting threshold but is used intentionally or is included as a by-product, it must be reported.

Table 4.3 Substances that require information provision

Survey target category	Substances list
Candidate list of Substances of Very High Concern (SVHC)	Refer ECHA website
Candidate list of Substances of Very High Concern (SVHC)	https://echa.europa.eu/candidate-list-table
VECCOATA DD Darlamble militarina lita (DCI)	Refer IEC 62474 DB website
IEC62474 DB Declarable substances list (DSL)	http://std.iec.ch/iec62474

4.4 RoHS Exemptions

The exempted items listed above are based on EU RoHS Directive 2011/65/EU ANNEX III. Revised provisions for the RoHS Directive will have priority on the present regulations.

Table 4.4 Applications exempted from the restriction by RoHS

Substance name	No.	IEC62474 Exemptions ID	Description (Exemption Description)	Expiry Date	Scope and dates of applicability	Product Categories
Mercury	l(f)-I	00115-A-00	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For lamps designed to emit mainly light in the ultraviolet spectrum: 5 mg	2027-02-24	5 mg may be used per burner	1 to 11
Mercury	l(f)-II	00116-A-00	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For special purposes: 5 mg	2025-02-24	5 mg may be used per burner	1 to 11
Mercury	1(g)	00007-A-01	Mercury in single capped (compact) fluorescent lamps not exceeding (per bumer);For general lighting purposes < 30 W with a lifetime equal or above 20,000 h: 3.5 mg	2023-08-24	3.5 mg may be used per burner	1 to 11
Mercury	2(a)(2)	00009-A-03	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 3 mg	2023-08-24	3 mg may be used per lamp	1 to 11
Mercury	2(a)(3)	00010-A-03	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp):Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and ≤ 28 mm (e.g. T8): 3.5mg	2023-08-24	3.5 mg may be used per lamp	1 to 11
Mercury	2(b)(3)	00015-A-04	Mercury in other fluorescent lamps not exceeding (per lamp):Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9): 10 mg	2025-02-24	10 mg may be used per lamp from 25 February 2023 until 24 February 2025	1 to 11
Mercury	2(b)(4)-I	00118-A-00	Mercury in other fluorescent lamps not exceeding (per lamp): Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg	2025-02-24	15 mg may be used per lamp	1 to 11
Mercury	2(b)(4)-II	00119-A-00	Mercury in other fluorescent lamps not exceeding (per lamp): Lamps emitting mainly light in the ultraviolet spectrum: 15 mg	2027-02-24	15 mg may be used per lamp	1 to 11
Mercury	2(b)(4)-III	00120-A-00	Mercury in other fluorescent lamps not exceeding (per lamp): Emergency lamps: 15 mg	2027-02-24	15 mg may be used per lamp	1 to 11
Mercury	3(a)	00017-A-03	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp): Short length (≤ 500 mm): 3,5 mg	2025-02-24	3.5 mg may be used per lamp	1 to 11
Mercury	3(b)	00018-A-03	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp): Medium length (> 500 mm and ≤ 1,500 mm); S mg	2025-02-24	5 mg may be used per lamp	1 to 11
Mercury	3(c)	00019-A-03	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp):Long length (> 1,500 mm): 13 mg	2025-02-24	13 mg may be used per lamp	1 to 11
Mercury	4(a)-I	00114-A-03	Mercury in low pressure non-phosphor coated discharge lamps, where the application requires the main range of the lamp-spectral output to be in the ultraviolet spectrum: up to 15 mg mercury may be used per lamp	2027-02-24	15 mg may be used per lamp	1 to 11
Mercury	4(b)	00117-A-00	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 80: P ≤ 105 W: 16 mg may be used per burner	2027-02-24	16 mg may be used per burner	1 to 11
Mercury	4(c)-I	00024-A-03	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): P ≤ 155 W:20mg	2027-02-24	20 mg may be used per burner after 30 September 2022	1 to 11
Mercury	4(c)-II	00025-A-03	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): 155 W < P ≤ 405 W: 25 mg	2027-02-24	25 mg may be used per burner after 30 September 2022	1 to 11
Mercury	4(c)-III	00026-A-03	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): P> 405 W: 25 mg	2027-02-24	25 mg may be used per burner after 30 September 2022	1 to 11
Mercury	4(e)	00028-A-01	Mercury in metal halide lamps (MH)	2027-02-24	Bepreniser 2022	1 to 11
Mercury	4(f)-I	00110-A-00	Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex	2025-02-24		1 to 11
Mercury	4(f)-II	00111-A-00	Mercury in high pressure mercury vapour lamps used in projectors where an output ≥ 2000 lumen ANSI is required	2027-02-24		1 to 11
Mercury Mercury	4(f)-III 4(f)-IV	00112-A-00 00113-A-00	Mercury in high pressure sodium vapour lamps used for horticulture lighting Mercury in lamps emitting light in the ultraviolet spectrum	2027-02-24 2027-02-24		1 to 11 1 to 11
Lead	5(a)	00031-A-00	Lead in glass of cathode ray tubes	2024-07-21		1 to 11
Lead Lead	5(b) 6(a)	00032-A-00 00033-B-00	Lead in glass of fluorescent tubes not exceeding 0.2% by weight Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0.35 % lead by weight	2024-07-21	Expires on:—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;—21 July 2023 for category 8 in vitro diagnostic medical devices;—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11 8 to 11 (excluding 10)
Lead	6(a)-I	00034-A-00	Lead as an alloying element in steel for machining purposes containing up to 0.35% lead by weight and in batch hot dip galvanised steel components containing up to 0.2% lead by weight	-	Expires on 21 July 2021 for categories 1-7 and 10.	1 to 7 and 10
Lead	6(b)	00036-B-00	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	2024-07-21	Expires on:—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments,—21 July 2023 for category 8 in vitro diagnostic medical devices,—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	8 to 11 (excluding 10)
Lead	6(b)-I	00037-A-00	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight, provided it stems from lead-bearing aluminium scrap recycling	-	Expires on 21 July 2021 for categories 1-7 and 10.	1 to 7 and 10
Lead	6(b)-II	00038-A-00	Lead as an alloying element in aluminium for machining purposes with a lead	-	Expires on 18 May 2021 for categories 1-7 and 10.	1 to 7 and 10
Lead	6(c)	00040-B-00	content up to 0.4 % by weight Copper alloy containing up to 4 % lead by weight	2024-07-21	Expires on:—21 July 2021 for categories 1-7 and 10,—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments,—21 July 2023 for category 8 in vitro diagnostic medical devices,—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11
Lead	7(a)	00042-B-00	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)	2024-07-21	Applies to categories 1-7 and 10 (except applications covered by point 24 of this Annex) and expires on 21 July 2021. For categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments expires on 21 July 2021. For category 8 in vitro diagnostic medical devices expires on 21 July 2021. For category 9 industrial monitoring and control instruments, and for category 11 expires on 21 July 2024.	1 to 11

Substance name	No.	IEC62474 Exemptions ID	Description (Exemption Description)	Expiry Date	Scope and dates of applicability	Product Categories
Lead	7(c)-I	00045-B-00	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	2024-07-21	Applies to categories 1-7 and 10 (except applications covered under point 34) and expires on 21 July 2021. For categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments expires on 21 July 2021. For category 8 in vitro diagnostic medical devices expires on 21 July 2023. For category 9 industrial monitoring and control instruments, and for category 11 expires on 21 July 2024.	l to 11
Lead	7(c)-II	00047-B-00	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	2024-07-21	Does not apply to applications covered by point 7(c)-1 and 7(c)-1V of this Annex. Expires on:— 21 July 2021 for categories 1-7 and 10;— 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;— 21 July 2023 for category 8 in vitro diagnostic medical devices;— 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11
Lead	7(e)-IV	00049-B-00	Lead in PZT based dielectric ceramic materials for capacitors which are part of integrated circuits or discrete semiconductors	2024-07-21	Expires on:—21 July 2021 for categories 1-7 and 10;—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;—21 July 2023 for category 8 in vitro diagnostic medical devices;—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11
Cadmium	8(b)	00051-B-00	Cadmium and its compounds in electrical contacts	2024-07-21	Applies to categories 8, 9 and 11 and expires on: — 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	8 to 11 (excluding 10)
Cadmium	8(b)-I	00098-A-00	Cadmium and its compounds in electrical contacts used in:—circuit breakers,—thermal sensing controls,—thermal motor protectors (excluding hermetic thermal motor protectors),—CA switches rated at: —6 A and more at 250 V AC and more, or —12 A and more at 125 V AC and more,—DC switches rated at 20 A and more at 18 V DC and more, and—switches for use at voltage supply frequency ≥ 200 Hz.	-	Applies to categories 1 to 7 and 10 and expires on 21 July 2021	1 to 7 and 10
Hexavalent Chromium	9	00052-B-00	Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75 % by weight in the cooling solution	2024-07-21	Applies to categories 8, 9 and 11 and expires on:—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments.—21 July 2023 for category 8 in vitro diagnostic medical devices.—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11	8,9 and 11
Hexavalent Chromium	9(a)-II	00108-A-00	Up to 0.75 % hexavalent chromium by weight, used as an anticorrosion agent in the cooling solution of carbon steel cooling systems of absorption refrigerators: —designed to operate fully or partly with electrical heater, having an average utilised power input ≥ 75 W at constant running conditions, — designed to fully operate with non-electrical heater	-	Applies to categories 1-7 and 10 and expires on 21 July 2021	1-7 and 10
Lead	9(b)	00053-B-00	Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications	2024-07-21	Applies to categories 8, 9 and 11; expires on: —21 July 2023 for category 8 in vitro diagnostic medical devices, —21 July 2024 for category 9 industrial monitoring and control instruments and for category 11, —21 July 2021 for other subcategories of categories 8 and 9.	8 to 11 (excluding 10)
Lead	13(a)	00059-B-00	Lead in white glasses used for optical applications	2024-07-21	Applies to all categories; expires on: — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments and for category 11; — 21 July 2021 for all other categories and subcategories	1 to 11
Cadmium, Lead	13(b)	00064-B-00	Cadmium and lead in filter glasses and glasses used for reflectance standards	2024-07-21	Applies to categories 8, 9 and 11; expires on: — 21 July 2023 for category 8 in vitro diagnostic medical devices; —21 July 2024 for category 9 industrial monitoring and control instruments and for category 11; —21 July 2021 for other subcategories of categories 8 and 9	8 to 11 (excluding 10)
Lead	13(b)-(I)	00066-A-00	Lead in ion coloured optical filter glass types	-	Applies to categories 1 to 7 and 10; expires on 21 July 2021 for categories 1 to 7 and 10	1 to 7 and 10
Cadmium	13(b)-(II)	00067-A-00	Cadmium in striking optical filter glass types; excluding applications falling under point 39 of this Annex	-	Applies to categories 1 to 7 and 10; expires on 21 July 2021 for categories 1 to 7 and 10	1 to 7 and 10
Cadmium, Lead	13(b)-(III)	00068-A-00	Cadmium and lead in glazes used for reflectance standards	-	Applies to categories 1 to 7 and 10; expires on 21 July 2021 for categories 1 to 7 and 10	1 to 7 and 10
Lead	15	00070-B-00	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages	2024-07-21	Applies to categories 8, 9 and 11 and expires on: — 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	8 to 11 (excluding 10)
Lead	15(a)	00099-A-00	Lead in solders to complete a viable electrical con-nection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies: — a semiconductor technology node of 90 nm or larger; — a single die of 300 mm2 or larger in any semi-conductor technology node; — stacked die packages with die of 300 mm2 or larger, or silicon interposers of 300 mm2 or larger.	-	Applies to categories 1 to 7 and 10 and expires on 21 July 2021.	1 to 7 and 10
Lead	17	00072-A-00	Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications	2024-07-21		1 to 11
Lead	18(b)	00074-B-00	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi2O5:Pb)	2024-07-21	Expires on:—21 July 2021 for categories 1-7 and 10;—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;—21 July 2023 for category 8 in vitro diagnostic medical devices;—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11

Substance name	No.	IEC62474 Exemptions ID	Description (Exemption Description)	Expiry Date	Scope and dates of applicability	Product Categories
Lead	18(b)-I	00100-A-00	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps containing phosphors such as BSP (BaSi2O5:Pb) when used in medical phototherapy equipment	-	Applies to categories 5 and 8, excluding applications covered by entry 34 of Annex IV, and expires on 21 July 2021.	5 and 8
Lead; Cadmium	21	00077-B-00	Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	2024-07-21	Applies to categories 8, 9 and 11 and expires on: — 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	8 to 11 (excluding 10)
Lead	24	00079-B-00	Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors	2024-07-21	Expires on: 21 July 2021 for categories 1-7 and 10, -21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments, -21 July 2023 for category 8 in vitro diagnostic medical devices, -21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11
Lead	25	00081-A-00	Lead oxide in surface conduction electron emitter displays (SED) used in	2024-07-21	8-7	1 to 11
Lead	29	00084-B-00	structural elements, notably in the seal frit and firt ring Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC (*1)(*1) Council Directive 69/493/EEC of 15 December 1969 on the approximation of the laws of the Member States relating to crystal glass (OJ L 326, 29.12.1969, p. 36).	2024-07-21	Expires on:—21 July 2021 for categories 1-7 and 10;—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and ontrol instruments;—21 July 2023 for category 8 in vitro diagnostic medical devices;—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11
Cadmium	30	00085-A-00	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more	2024-07-21	instances, and for category 11.	1 to 11
Lead	31	00086-A-00	Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting)	2024-07-21		1 to 11
Lead	32	00087-B-00	Lead oxide in seal firt used for making window assemblies for Argon and Krypton laser tubes	2024-07-21	Expires on:—21 July 2021 for categories 1-7 and 10,—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments,—21 July 2023 for category 8 in vitro diagnostic medical devices,—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11
Lead	33	00088-A-00	Lead in solders for the soldering of thin copper wires of 100 μm diameter and less in power transformers	2024-07-21		1 to 11
Lead	34	00089-B-00	Lead in cermet-based trimmer potentiometer elements	2024-07-21	Applies to all categories; expires on:—21 July 2021 for categories 1-7 and 10,—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments,—21 July 2023 for category 8 in vitro diagnostic medical devices,—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11
Lead	37	00092-B-00	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body	2024-07-21	Expires on:—21 July 2021 for categories 1-7 and 10;—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;—21 July 2023 for category 8 in vitro diagnostic medical devices;—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	1 to 11
Cadmium	38	00093-A-00	Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide	2024-07-21		1 to 11
Cadmium	39(a)	00095-A-00	Cadmium selenide in downshifting cadmium-based semiconductor nanocrystal quantum dots for use in display lighting applications (< 0.2 µg Cd per mm 2 of display screen area)	-	Expires for all categories on [two years after the publication of the Delegated Directive in the Official Journal].	1 to 11
Lead	41	00097-B-00	Lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of handheld combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council*)	2024-07-21	Applies to all categories and expires on: — 31 March 2022 for categories 1 to 7, 10 and 11; — 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments	1 to 11
Lead	42	00104-A-00	Lead in bearings and bushes of diesel or gaseous firel powered internal combustion engines applied in non-road professional use equipment—with engine total displacement ≥ 15 litres;or—with engine total displacement < 15 litres and the engine is designed to operate in applications where the time between signal to start and full load is required to be less than 10 seconds; or regular maintenance is typically performed in a harsh and dirty outdoor environment, such as mining, construction, and agriculture applications.	2024-07-21	Applies to category 11, excluding applications covered by entry 6(c) of this Annex.Expires on 21 July 2024.	11 other EE
Bis (2-ethylhexyl)phthalate (DEHP)	43	00105-A-00	Bis(2-ethylhexyl) phthalate in rubber components in engine systems, designed for use in equipment that is not intended solely for consumer use and provided that no plastrised material comes into contact with human mucous membranes or into prolonged contact with human skin and the concentration value of bis(2-ethylhexyl) phthalated does not exceed: (a) 30 % by weight of the rubber for (i) gasket coatings; (ii) solid-rubber gaskets; or (iii) rubber components included in assemblise of at least three components using electrical, mechanical or hydraulic energy to do work, and attached to the engine. (b) 10 % by weight of the rubber for rubber-containing components not referred to in point (a). For the purposes of this entry, "prolonged contact with human skim" means continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day.	2024-07-21	Applies to eategory 11 and expires on 21 July 2024.	11
Lead	44	00106-A-00	Lead in solder of sensors, actuators, and engine control units of combustion engines within the scope of Regulation (EU) 2016/1628 of the European Parliament and of the Council (**), installed in equipment used at fixed positions while in operation which is designed for professionals, but also used by non-professional users	2024-07-21	Applies to category 11 and expires on 21 July 2024.	11
Lead, Hexavalent chromium	45	00109-A-00	Lead diazide, lead styphnate, lead dipicramate, orange lead (lead tetroxide), lead dioxide in electric and electronic initiators of explosives for civil (professional)	2026-04-20	Applies to category 11 and expires on 20 April 2026	11 other EE

5 Survey of chemical substances contained in purchased products

5.1 About the survey

We investigate the chemical substances contained in purchased products such as products, parts, materials, and packaging materials that make up Azbil products, and check whether they comply with the restrictions set by the azbil Group. For this reason, we will request a survey using a questionnaire that we will specify.

Upon receiving a survey request, please check the information on the environmental impact of the substances contained in the products we purchase, and send us a reply.

Based on suppliers' replies, we purchase items that meet the restrictions set by the azbil Group.

5.2 **Ouestionnaire**

The contents of the questionnaire are as follows.

① Survey data on chemical substances contained in products (in files chemSHERPA-AI or chemSHERPA-CI)

Contents of the chemSHERPA-AI file are as follows.

- · Information of compliance assessment: required
- information of composition: required

Contents of the chemSHERPA-CI file are as follows.

· information of composition: required

Additionally, it is necessary to follow the "Rules on the Use of Information on Chemicals in Products Under the chemSHERPA."

For details, see the URL below.

https://chemsherpa.net/

- ② Certificate of non-use: "Declaration of Non-use of Chemical Substances in the azbil Group Products (Including Packaging Materials)"
- ③ Other

Please note that the survey may also be conducted using a form requested by an the azbil Group customer or a government agency.

5.3 Expiration date of the questionnaire

The questionnaire is valid from the time it is sent to us until the purchased product is discontinued. However, if a new restricted substance is added, or if a substance that requires information provision is added, the questionnaire will be updated for re-investigation.

5.4 Changes

Regarding a purchased product, if there is a design change or process change, please provide the information to us in advance in the format specified by our purchasing department. If there is a possibility that the results of a survey on included chemical substances may change, we will request another survey using the questionnaire.

6 Substances examples

6.1 Examples of restricted substances

Examples of substances defined in Section 4.1 "Restricted substances" are shown below, organized by chemical substance group.

Table 6.1 Reference substances list of "Restricted Substances"

	Restrict	ed substances	IEC62474 Reference Substances					
Control	IEC62474	SubstanceGroup	IEC62474	SpecificSubstance	CASnumber	CommonSynonyms		
No.	DSL-ID		RSL-ID					
I1	00046	Polychlorinated Biphenyls	R00321	Polychlorinated Biphenyls (all isomers and congeners)	1336-36-3			
		(PCBs) and specific	R00322	Monomethyl-tetrachloro-diphenyl methane	76253-60-6	Ugilec 141		
		substitutes	R00323	Monomethyl-dichloro-diphenyl methane	81161-70-8	Ugilec 121, Ugilec 21		
			R00324	Monomethyl-dibromo-diphenyl methane (DBBT)	99688-47-8			
12	00047	Polychlorinated terphenyls	R00325	Polychlorinated Terphenyls (PCT) (all isomers and congeners)	61788-33-8			
		(PCTs)						
13	00048	Polychlorinated	R00326	Naphthalene, chloro derivatives	70776-03-3			
		naphthalenes	R00389	1-Chloronaphthalene	90-13-1			
			R00390	2-Chloronaphthalene	91-58-7			
			R00391	1,5-Dichloronaphthalene	1825-30-5			
			R00392	1, 4-Dichloronaphthalene	1825-31-6			
			R00393	1, 2-Dichloronaphthalene	2050-69-3			
			R00394	1, 6-Dichloronaphthalene	2050-72-8			
			R00395	1, 7-Dichloronaphthalene	2050-73-9			
			R00396	1, 8-Dichloronaphthalene	2050-74-0			
			R00397	2, 3-Dichloronaphthalene	2050-75-1			
			R00398	2, 6-Dichloronaphthalene	2065-70-5			
			R00399	1, 3-Dichloronaphthalene	2198-75-6			
			R00400	2, 7-Dichloronaphthalene	2198-77-8			
			R00401	Chloronaphthalene	25586-43-0			
			R00402	Dichloronaphthalene	28699-88-9			
			R00403	Pentachloronaphthalene	1321-64-8			
			R00404	Trichloronaphthalene	1321-65-9			
	Ì		R00405	Hexach I oronaphtha I ene	1335-87-1			
Ī	1		R00406	Tetrachloronaphthalene	1335-88-2	1		
Ī	Ī		R00407	Perch I oronaphtha I ene	2234-13-1	1, 2, 3, 4, 5, 6, 7, 8-Octachloronapht		
	l				1	halene		
	Ì		R00408	1, 4, 6-Trichloronaphthalene	2437-54-9			
Ī	Ī		R00409	1, 4, 5-Trichloronaphthalene	2437-55-0	1		
	Ì		R00410	1, 4, 5, 8-Tetrachloronaphthalene	3432-57-3	 		
	l		R00410	1. 2. 4. 8-Tetrachloronaphthalene	6529-87-9	<u> </u>		
	Ì		R00411	1, 2, 4, 5-Tetrachloronaphthalene	6733-54-6	 		
	l		R00412	1, 2, 3, 6, 7, 8-Hexachloronaphthalene	17062-87-2	†		
			R00414	1. 2. 3. 4-Tetrachloronaphthalene	20020-02-4			
			R00415	1, 3, 5, 8-Tetrachloronaphthalene	31604-28-1			
			R00415	Heptachloronaphthalene	32241-08-0			
			R00417	2, 3, 6, 7-Tetrachloronaphthalene	34588-40-4			
			R00417	1, 2, 4-Trichloronaphthalene	50402-51-2			
			R00418	1, 2, 3-Trichloronaphthalene	50402-51-2			
			R00419	1, 3, 5-Trichloronaphthalene	51570-43-5			
			R00421	1, 2, 6-Trichloronaphthalene	51570-44-6			
			R00422	1, 2, 4, 6-Tetrachloronaphthalene	51570-45-7			
			R00423	1, 2, 3, 5-Tetrachloronaphthalene	53555-63-8			
			R00424	1, 3, 5, 7-Tetrachloronaphthalene	53555-64-9			
			R00425	1, 2, 3, 5, 7-Pentachloronaphthalene	53555-65-0			
			R00426	1, 2, 5-Trichloronaphthalene	55720-33-7			
			R00427	1, 2, 7-Trichloronaphthalene	55720-34-8			
			R00428	1, 2, 8-Trichloronaphthalene	55720-35-9			
			R00429	1, 3, 6-Trichloronaphthalene	55720-36-0			
			R00430	1, 3, 7-Trichloronaphthalene	55720-37-1			
			R00431	1, 3, 8-Trichloronaphthalene	55720-38-2			
			R00432	1, 6, 7-Trichloronaphthalene	55720-39-3			
			R00433	2, 3, 6-Trichloronaphthalene	55720-40-6			
			R00434	1, 2, 3, 7-Tetrachloronaphthalene	55720-41-7			
	l		R00435	1, 3, 6, 7-Tetrachloronaphthalene	55720-42-8	1		
Ī	Ī		R00436	1, 4, 6, 7-Tetrachloronaphthalene	55720-43-9			
Ī	Ī		R00437	1, 2, 3, 4, 5, 6, 7-Heptachloronaphthalene	58863-14-2			
	Ì		R00438	1, 2, 3, 4, 5, 6, 8-Heptachloronaphthalene	58863-15-3			
	l		R00439	1, 2, 3, 4, 5, 6-Hexachloronaphthalene	58877-88-6			
	l		R00440	1, 2, 4, 7-Tetrachloronaphthalene	67922-21-8			
Ī	Ī		R00441	1, 2, 5, 6-Tetrachloronaphthalene	67922-22-9			
	Ì		R00442	1, 2, 5, 7-Tetrachloronaphthalene	67922-23-0			
	l		R00443	1, 2, 6, 8-Tetrachloronaphthalene	67922-24-1			
	l		R00444	1, 2, 3, 4, 5-Pentachloronaphthalene	67922-25-2			
	l		R00445	1, 2, 3, 4, 6-Pentachloronaphthalene	67922-26-3			
	Ì		R00446	1, 2, 3, 4, 5, 7-Hexachloronaphthalene	67922-27-4			
	l		R00447	1, 2, 4, 5, 6, 8-Hexachloronaphthalene	90948-28-0			
	l		R00448	1, 2, 4, 5, 7, 8-Hexachloronaphthalene	103426-92-2			
Ī	1		R00449	1, 2, 3, 4, 5, 8-Hexachloronaphthalene	103426-93-3			
	Ì		R00450	1, 2, 3, 5, 7, 8-Hexachloronaphthalene	103426-94-4			
	Ì		R00451	1, 2, 3, 5, 6, 8-Hexachloronaphthalene	103426-95-5			
	l		R00452	1, 2, 3, 4, 6, 7-Hexachloronaphthalene	103426-96-6			
Ī	1		R00453	1, 2, 3, 5, 6, 7-Hexachloronaphthalene	103426-97-7			
	Ì		R00454	1, 2, 3, 6-Tetrachloronaphthalene	149864-78-8			
	l		R00455	1, 2, 6, 7-Tetrachloronaphthalene	149864-79-9			
ĺ	1		R00456	1, 2, 5, 8-Tetrachloronaphthalene	149864-80-2			
	Ì		R00457	1, 2, 3, 8-Tetrachloronaphthalene	149864-81-3			
	l		R00458	1, 2, 7, 8-Tetrachloronaphthalene	149864-82-4			
	1		R00459	1, 2, 3, 7, 8-Pentachloronaphthalene	150205-21-3	†		
	Ì		R00459	1, 3, 6, 8-Tetrachloronaphthalene	150224-15-0	†		
	1		R00460	1, 2, 3, 6, 7-Pentachloronaphthalene	150224-15-0	1		
		R00461			+			
	l		R00462 R00463	1, 2, 4, 6, 7-Pentach loronaphthalene	150224-17-2 150224-18-3	+		
	1			1, 2, 3, 5, 6-Pentachloronaphthalene		+		
			R00464	1, 2, 4, 5, 7-Pentachloronaphthalene	150224-19-4	1		
				1, 2, 4, 5, 6-Pentachloronaphthalene	150224-20-7	Î.		
			R00465					
			R00466 R00467	1, 2, 4, 7, 8-Pentachloronaphthalene 1, 2, 4, 6, 8-Pentachloronaphthalene	150224-21-8 150224-22-9			

	Restric	ted substances	IEC62474 Reference Substances				
Control	IEC62474	SubstanceGroup	IEC62474	SpecificSubstance	CASnumber	CommonSynonyms	
No.	DSL-ID	· ·	RSL-ID	'			
			R00468	1, 2, 3, 6, 8-Pentachloronaphthalene	150224-23-0		
			R00469	1, 2, 3, 5, 8-Pentachloronaphthalene	150224-24-1		
			R00470	1, 2, 4, 5, 8-Pentachloronaphthalene	150224-25-2		
14	00052	Short chain chlorinated	R00337	Alkanes, C10-13, chloro	85535-84-8		
		paraffins (SCCP, C10-13)	R00338	Alkanes, C10-12, chloro	108171-26-2		
			R00339	Alkanes, C12-13, chloro	71011-12-6	1	
			R00340	Alkanes, chloro	61788-76-9		
			R00341	Other Short Chain Chlorinated Paraffins	-		
17 18	00054 00055	Bis(tributyltin) oxide	~	Bis(tributyltin) oxide (TBTO)	56-35-9	TBTO: Distannoxane, hexabutyl-	
18	00055	(TBTO)	R00342	Triphenyltin-N, N-dimethyldithiocarbamate	1803-12-9		
		Tri-substituted organostannic compounds	R00343	Triphenyltinfluoride	379-52-2		
		or garios cariff C compounds	R00344	Triphenyltinacetate	900-95-8		
			R00345 R00346	Triphenyltinchloride	639–58–7 76–87–9		
			R00346	Triphenyltinhydroxide Triphenyltin fattvacid((9-11)salt)	18380-71-7		
			100347	Triphenyitin factyaciu ((3-11) sait)	18380-72-8		
					47672-31-1		
					94850-90-5		
			R00348	Triphenyltinchloroacetate	7094-94-2		
			R00349	TributyItinmethacrylate	2155-70-6		
			R00350	Bis(tributyltin)fumalate	6454-35-9		
			R00351	Tributyltinfluoride	1983-10-4		
			R00352	Bis(tributyltin)2,3-dibromosuccinate	31732-71-5		
			R00353	TributyItinacetate	56-36-0		
			R00354	TributyItinlaurate	3090-36-6		
			R00355	Bis(tributyltin)phthalate	4782-29-0		
			R00356	Copolymer of alkyl(c=8) acrylate, methyl methacrylate and	67772-01-4		
				tributyltin methacrylate		1	
			R00357	Tributyltinsulfamate	6517-25-5	+	
			R00358	Bis(tributyltin)maleate	14275-57-1	1	
			R00359	Tributyltinchloride	1461-22-9		
			buuseu	Tributyltin evelopentana carbonata-mintura	7342-38-3	+	
			R00360	Tributyltin cyclopentane carbonate=mixture	85409-17-2 26220-64-5	+	
			R00361	Tributyltin-1, 2, 3, 4, 4a, 4b, 5, 6, 10, 10a-decahydro-7-isoplopyl-1,	26239-64-5		
				4a-dimethyl-1-phenanthrencarboxylatemix			
			R00362	Other tri-substituted organostannic compounds	-	1	
19	00003	Asbestos	R00001	Asbestos	1332-21-4	1	
			R00002	Actinolite	77536-66-4		
			R00003	Amosite (Grunerite)	12172-73-5		
			R00004	Anthophyllite	77536-67-5		
			R00005	Chrysotile	12001-29-5		
			R00006	Crocidolite	12001-28-4		
			R00007	Tremolite	77536-68-6		
I11	00032	Ozone Depleting Substances	R00180	Trichlorofluoromethane	75-69-4	(CFC-11)	
I12			R00181	Dichlorodifluoromethane	75-71-8	(CFC-12)	
			R00182	Chlorotrifluoromethane	75-72-9	(CFC-13)	
			R00183	Pentachlorofluoroethane	354-56-3	(CFC-111)	
			R00184	Tetrachlorodifluoroethane	76-12-0	(CFC-112)	
				1, 1, 2, 2-Tetrachloro-1, 2-difluoroethane	76-12-0	(CFC-112)	
				1, 1, 1, 2-Tetrachloro-2, 2-difluoroethane	76-11-9	(CFC-112a)	
			R00185	Trichlorotrifluoroethane	76-13-1	(CFC-113)	
				1, 1, 2-Trichloro-1, 2, 2 trifluoroethane 1, 1, 1-Trichloro-2, 2, 2 trifluoroethane	76-13-1 354-58-5	(CFC-113) (CFC-113a)	
			R00186	Dichlorotetrafluoroethane	76-14-2	(CFC-114)	
			R00187	Monochloropentafluoroethane	76-14-2	(CFC-114)	
			R00188	Heptachlorofluoropropane	422-78-6	(GFC-211)	
			1100100	1, 1, 1, 2, 2, 3, 3-Heptachloro-3-fluoropropane	135401-87-5	(CFC-211aa)	
				1, 1, 1, 2, 3, 3, 3-Heptachloro-2-fluoropropane	422-78-6	(CFC-211ba)	
					422-81-1		
			R00189	Hexachlorodifluoropropane	3182-26-1	(CFC-212)	
			R00190	Pentachlorotrifluoropropane	2354-06-5	(CFC-213)	
					134237-31-3		
			R00191	Tetrachlorotetrafluoropropane	29255-31-0	(CFC-214)	
				1, 2, 2, 3-Tetrachloro-1, 1, 3, 3-tetrafluoropropane	2268-46-4	(CFC-214aa)	
			Dec. of	1, 1, 1, 3-Tetrachloro-2, 2, 3, 3-tetrafluoropropane	-	(CFC-214cb)	
			R00192	Trichloropentafluoropropane	1599-41-3	(CFC-215)	
				1, 2, 2-Trichloropentafluoropropane 1, 2, 3-Trichloropentafluoropropane	1599-41-3 76-17-5	(CFC-215aa) (CFC-215ba)	
				1, 2, 3-Trichloropentafluoropropane 1, 1, 2-Trichloropentafluoropropane	- 11-5	(CFC-215ba) (CFC-215bb)	
				1, 1, 2-Trichtoropental Tuoropropane	_	(CFC-215bb) (CFC-215cb)	
				1, 1, 1-Trichloropentafluoropropane	4259-43-2	(GFC-215ca)	
			R00193	Dichlorohexafluoropropane	661-97-2	(CFC-216)	
			R00194	Chloroheptafluoropropane	422-86-6	(CFC-217)	
			R00195	Bromochloromethane	74-97-5	(Halon-1011)	
			R00196	Dibromodifluoromethane	75-61-6	(Halon-1202)	
			R00197	Bromochlorodifluoromethane	353-59-3	(Halon-1211)	
				Bromotrifluoromethane	75-63-8	(Halon-1301)	
			R00198	Di diloci i i i udi dilectiane			
			R00199	Dibromotetrafluoroethane	124-73-2	(Halon-2402)	
			R00199 R00200	Dibromotetrafluoroethane Tetrachloromethane	124-73-2 56-23-5	(carbon tetrachloride)	
			R00199 R00200 R00201	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Trichloroethane	124-73-2 56-23-5 71-55-6	(carbon tetrachloride) (methylchloroform)	
			R00199 R00200 R00201 R00202	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Trichloroethane Bromomethane	124-73-2 56-23-5 71-55-6 74-83-9	(carbon tetrachloride) (methylchloroform) (methyl bromide)	
			R00199 R00200 R00201 R00202 R00203	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Trichloroethane Bromomethane Bromomethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide)	
			R00199 R00200 R00201 R00202 R00203 R00205	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Trichloroethane Bromoethane Bromoethane Trifluoroiodomethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide)	
			R00199 R00200 R00201 R00202 R00203 R00205 R00206	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Trichloroethane Bromomethane Bromoethane Bridouroidomethane Chloromethane Chloromethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride)	
			R00199 R00200 R00201 R00202 R00203 R00205 R00206 R00207	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Trichloroethane Bromomethane Bromoethane Brindomethane Chloromethane Dibromofluoromethane Dibromofluoromethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (MBFG-21 BZ)	
			R00199 R00200 R00201 R00202 R00203 R00203 R00205 R00206 R00207 R00208	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Trichloroethane Bromomethane Bromomethane Trifluoroiodomethane Chloromethane Dibromofluoromethane Bromodifluoromethane Bromodifluoromethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (MBFC-21 B2) (MBFC-22 B1)	
			R00199 R00200 R00201 R00202 R00203 R00205 R00206 R00207 R00208 R00209	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Tribloroethane Bromoethane Bromoethane Bromoethane Brinoi oldomethane Chloromethane Dibromofluoromethane Dibromofluoromethane Bromodifluoromethane Bromodifluoromethane Bromodifluoromethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4	(carbon tetrachloride) (methyl chloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (HBFC-21 B1) (HBFC-31 B1)	
			R00199 R00200 R00201 R00202 R00203 R00205 R00206 R00207 R00208 R00209 R00210	Dibromotetrafluoroethane Tetrachloromethane 1.1.1—Trichloroethane Bromoethane Bromoethane Brifluoroiodomethane Chloromethane Dibromofluoromethane Bromodifluoromethane Bromodifluoromethane Bromofluoromethane Bromofluoromethane Tetrabromofluoroethane Tetrabromofluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2	(carbon tetrachloride) (methyl chloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (HBFC-21 B2) (HBFC-22 B1) (HBFC-31 B1) (HBFC-121 B4)	
			R00199 R00200 R00201 R00202 R00203 R00205 R00206 R00207 R00208 R00209 R00210 R00211	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Trichloroethane Bromomethane Bromoethane Bridericoethane Bromoethane Chloromethane Dibromofluoromethane Bromofluoromethane Bromofluoromethane Bromofluoromethane Bromofluoromethane Tritrabromofluoroethane Tribromodifluoroethane	124-73-2 56-23-5 71-55-6 74-93-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4 306-80-9	(carbon tetrachloride) (methyl chloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl idide) (methyl chloride) (MBFC-21 B2) (MBFC-22 B1) (MBFC-31 B1) (MBFC-31 B1) (MBFC-31 B4) (MBFC-122 B3)	
			R00199 R00200 R00201 R00202 R00203 R00203 R00205 R00206 R00207 R00208 R00209 R00211 R00211	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Tribloroethane Bromoethane Bromoethane Bromoethane Bribloroethane Chloromethane Chloromethane Dibromofluoromethane Bromodifluoromethane Bromodifluoromethane Bromofliuoromethane Tetrabromofluoroethane Tiribromodifluoroethane Dibromodifluoroethane Dibromodifluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4 306-80-9 -	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (MBFC-21 B2) (MBFC-22 B1) (MBFC-12 B4) (MBFC-123 B3) (MBFC-123 B3)	
			R00199 R00200 R00201 R00202 R00203 R00205 R00206 R00207 R00208 R00209 R00210 R00211 R00211 R00212	Dibromotetrafluoroethane Tetrachloromethane 1.1.1-Trichloroethane Bromoethane Bromoethane Britluoroidomethane Chloromethane Dibromofluoromethane Bromofluoromethane Bromofluoromethane Bromofluoromethane Bromofluoromethane Tetrabromofluoroethane Tribromodifluoroethane Britluoromethane Bromofluoroethane Bromofluoroethane Bromofluoroethane Bromotrifluoroethane Bromotrifluoroethane	124-73-2 56-23-5 71-55-6 74-93-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4 306-80-9	(carbon tetrachloride) (methyl chloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (HBFC-21 B2) (HBFC-21 B1) (HBFC-121 B4) (HBFC-122 B3) (HBFC-123 B2) (HBFC-124 B4) (HBFC-124 B3)	
			R00199 R00200 R00201 R00201 R00202 R00203 R00205 R00206 R00207 R00208 R00209 R00210 R00211 R00211 R00212 R00213 R00214	Dibromotetrafluoroethane Tetrachloromethane 1,1,1-Trichloroethane Bromoethane Bromoethane Briderichane Bromoethane Chloromethane Dibromofluoromethane Bromodifluoromethane Bromofluoroethane Triflomofluoroethane Tetrabromofluoroethane Tribromotifluoroethane Bromotetrafluoroethane Tribromotifluoroethane Tribromotifluoroethane Bromotetrafluoroethane Tribromotluoroethane Tribromofluoroethane Tribromofluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4 306-80-9 	(carbon tetrachloride) (methyl chloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl idide) (methyl chloride) (methyl chloride) (MBFC-21 B2) (MBFC-22 B1) (MBFC-23 B1) (MBFC-121 B4) (MBFC-121 B4) (MBFC-122 B3) (MBFC-124 B1) (MBFC-131 B3)	
			R00199 R00200 R00201 R00202 R00202 R00203 R00205 R00206 R00207 R00208 R00207 R00210 R00211 R00212 R00213 R00214 R00215	Dibromotetrafluoroethane Tetrachloromethane 1.1.1-Tribloroethane Bromoethane Bromoethane Bromoethane Bromotethane Chloromethane Chloromethane Dibromofluoromethane Bromodifluoromethane Bromofiluoromethane Bromofiluoromethane Tetrabromofluoroethane Tirbromofluoroethane Dibromotifluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotetrafluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4 306-80-9 - 354-04-1 124-72-1 - 75-82-1	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl i oidde) (methyl bromide) (HBFC-21 B2) (HBFC-31 B1) (HBFC-122 B3) (HBFC-122 B3) (HBFC-122 B3) (HBFC-124 B1) (HBFC-124 B1) (HBFC-123 B2) (HBFC-131 B3) (HBFC-131 B3)	
			R00199 R00200 R00201 R00201 R00202 R00203 R00206 R00206 R00207 R00208 R00210 R00211 R00211 R00212 R00213 R00214 R00214 R00215 R00216	Dibromotetrafluoroethane Tetrachloromethane 1.1.1-Trichloroethane Bromoethane Bromoethane Bridoromethane Bridoromethane Chloromethane Dibromofluoromethane Bromodifluoromethane Bromofluoromethane Bromofluoromethane Bromofluoromethane Tetrabromofluoroethane Tribromodifluoroethane Dibromotrifluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotifluoroethane Bromotifluoroethane Bromotifluoroethane Bromotifluoroethane Bromotifluoroethane Bromotifluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4 306-80-9 - 354-04-1 124-72-1 - 75-82-1 421-06-7	(carbon tetrachloride) (methyl chloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (HBFC-21 B2) (HBFC-23 B1) (HBFC-31 B1) (HBFC-121 B4) (HBFC-122 B3) (HBFC-123 B2) (HBFC-133 B2) (HBFC-133 B3)	
			R00199 R00201 R00201 R00202 R00203 R00205 R00206 R00207 R00208 R00209 R00210 R00211 R00211 R00212 R00212 R00213 R00214 R00215 R00216 R00217	Dibromotetrafluoroethane Tetrachloromethane 1.1.1—Trichloroethane Bromoethane Bromoethane Bromoethane Trifluoroiodomethane Chloromethane Dibromofluoromethane Bromodifluoromethane Bromodifluoromethane Bromodifluoromethane Tetrabromofluoroethane Tribromodifluoroethane Tribromodifluoroethane Dibromotrifluoroethane Bromotruoroethane Tribromodifluoroethane Bromotrifluoroethane Bromotrifluoroethane Bromotrifluoroethane Bromotrifluoroethane Dibromodifluoroethane Dibromodifluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-97-3 1868-53-7 1511-62-2 373-52-4 306-80-9 - 354-04-1 124-72-1 - 75-82-1 421-06-7 358-97-4	(carbon tetrachloride) (methyl chloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl idide) (methyl chloride) (trifluoromethyl idide) (methyl chloride) (HBFC-21 B2) (HBFC-21 B1) (HBFC-21 B1) (HBFC-121 B4) (HBFC-121 B4) (HBFC-122 B3) (HBFC-124 B1) (HBFC-123 B2) (HBFC-131 B3) (HBFC-131 B3) (HBFC-131 B3) (HBFC-131 B3) (HBFC-131 B1)	
			R00199 R00200 R00201 R00202 R00202 R00203 R00205 R00206 R00206 R00207 R00208 R00210 R00211 R00212 R00213 R00214 R00215 R00216 R00217 R00218	Dibromotetrafluoroethane Tetrachloromethane 1.1.1-Tribloroethane Bromoethane Bromoethane Bromoethane Bromotethane Chloromethane Chloromethane Dibromofluoromethane Bromodifluoromethane Bromofiluoromethane Bromofiluoromethane Tetrabromofluoroethane Tirbromofluoroethane Dibromotifluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Dibromofliuoroethane Dibromofliuoroethane Dibromofliuoroethane Bromotrifluoroethane Bromotrifluoroethane Bromotrifluoroethane Bromotrifluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4 306-80-9 - 354-04-1 124-72-1 - 75-82-1 421-06-7 38-97-4 420-47-3	(carbon tetrachloride) (methyl chloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl idide) (methyl chloride) (methyl chloride) (methyl chloride) (MBFC-21 B2) (MBFC-22 B1) (MBFC-21 B4) (MBFC-12 B3) (MBFC-12 B3) (MBFC-124 B1) (MBFC-131 B3) (MBFC-131 B3) (MBFC-131 B3) (MBFC-131 B3) (MBFC-131 B3) (MBFC-131 B2) (MBFC-131 B2) (MBFC-141 B2)	
			R00199 R00200 R00201 R00202 R00203 R00205 R00206 R00207 R00208 R00209 R00210 R00211 R00211 R00212 R00213 R00214 R00214 R00216 R00217 R00216 R00217 R00218 R00219	Dibromotetrafluoroethane Tetrachloromethane 1.1.1-Trichloroethane Bromoethane Bromoethane Bromoethane Trifluoroidomethane Chloromethane Dibromofluoromethane Bromodifluoromethane Bromofluoromethane Bromofluoromethane Tetrabromofluoroethane Tribromodifluoroethane Tribromodifluoroethane Dibromotrifluoroethane Bromofluoroethane Bromofluoroethane Bromotetrafluoroethane Bromotifluoroethane Dibromofluoroethane Bromotrifluoroethane Bromotrifluoroethane Bromodifluoroethane Bromodifluoroethane Bromodifluoroethane Bromodifluoroethane Bromodifluoroethane Bromodifluoroethane Bromodifluoroethane Bromodifluoroethane Bromodifluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-97-3 1868-53-7 1511-62-2 373-52-4 306-80-9 - 354-04-1 124-72-1 - 75-82-1 421-06-7 358-97-4	(carbon tetrachloride) (methyl chloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (trifluoromethyl iodide) (methyl chloride) (HBFC-21 B2) (HBFC-23 B1) (HBFC-31 B1) (HBFC-31 B1) (HBFC-121 B4) (HBFC-123 B2) (HBFC-123 B2) (HBFC-133 B3) (HBFC-133 B3) (HBFC-144 B1) (HBFC-145 B3)	
			R00199 R00200 R00201 R00202 R00203 R00205 R00206 R00207 R00208 R00207 R00210 R00211 R00211 R00212 R00213 R00214 R00215 R00215 R00217 R00215 R00217 R00217 R00218 R00217 R00218	Dibromotetrafluoroethane Tetrachloromethane 1.1.1—Trichloroethane Bromoethane Bromoethane Britluoroethane Bromofluoromethane Dibromofluoromethane Bromofluoromethane Bromofluoromethane Bromofluoroethane Tetrabromofluoroethane Tribromodifluoroethane Tribromotifluoroethane Bromofluoroethane Dibromotrifluoroethane Bromofluoroethane Dibromofluoroethane Dibromodifluoroethane Bromofluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4 306-80-9 - - 354-04-1 124-72-1 - 75-82-1 421-06-7 358-97-4 420-47-3 76-49-2	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (MBFC-21 B2) (MBFC-21 B1) (MBFC-31 B1) (MBFC-121 B4) (MBFC-122 B3) (MBFC-122 B3) (MBFC-123 B2) (MBFC-133 B1) (MBFC-133 B1) (MBFC-131 B3) (MBFC-131 B3) (MBFC-132 B2) (MBFC-132 B1) (MBFC-131 B3) (MBFC-131 B1) (MBFC-141 B2) (MBFC-141 B2) (MBFC-141 B2) (MBFC-142 B1) (MBFC-142 B1)	
			R00199 R00200 R00201 R00202 R00202 R00203 R00205 R00206 R00207 R00208 R00209 R00210 R00211 R00212 R00213 R00214 R00215 R00216 R00216 R00216 R00217 R00218 R00219 R00217 R00218 R00219 R00219 R00219 R00219 R00219 R00219 R00219 R00219 R00210	Dibromotetrafluoroethane Tetrachloromethane 1.1.1-Tribloroethane Bromoethane Bromoethane Bromotethane Bromotethane Chloromethane Chloromethane Dibromofluoromethane Bromodifluoroethane Bromofifluoroethane Tetrabromofluoroethane Tibromofluoroethane Dibromotrifluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotetrafluoroethane Bromotifluoroethane Bromotifluoroethane Bromotifluoroethane Bromotifluoroethane Bromofluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-33-7 1511-62-2 373-52-4 306-80-9 - 354-04-1 124-72-1 - 75-82-1 421-06-7 358-97-4 420-47-3 762-49-2 -	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (methyl chloride) (methyl chloride) (mBFC-21 BZ) (MBFC-22 B1) (MBFC-31 B1) (MBFC-12 B3) (MBFC-12 B3) (MBFC-12 B3) (MBFC-123 B2) (MBFC-133 B2) (MBFC-133 B3) (MBFC-134 B3) (MBFC-134 B3) (MBFC-134 B3) (MBFC-135 B2) (MBFC-136 B3) (MBFC-141 B2) (MBFC-141 B2) (MBFC-141 B2) (MBFC-142 B1) (MBFC-143 B1) (MBFC-144 B1) (MBFC-145 B1) (MBFC-145 B1) (MBFC-145 B1)	
			R00199 R00200 R00201 R00202 R00203 R00205 R00206 R00207 R00208 R00207 R00210 R00211 R00211 R00212 R00213 R00214 R00215 R00215 R00217 R00215 R00217 R00217 R00218 R00217 R00218	Dibromotetrafluoroethane Tetrachloromethane 1.1.1—Trichloroethane Bromoethane Bromoethane Britluoroethane Bromofluoromethane Dibromofluoromethane Bromofluoromethane Bromofluoromethane Bromofluoroethane Tetrabromofluoroethane Tribromodifluoroethane Tribromotifluoroethane Bromofluoroethane Dibromotrifluoroethane Bromofluoroethane Dibromofluoroethane Dibromodifluoroethane Bromofluoroethane	124-73-2 56-23-5 71-55-6 74-83-9 74-96-4 2314-97-8 74-87-3 1868-53-7 1511-62-2 373-52-4 306-80-9 - - 354-04-1 124-72-1 - 75-82-1 421-06-7 358-97-4 420-47-3 76-49-2	(carbon tetrachloride) (methylchloroform) (methyl bromide) (ethyl bromide) (ethyl bromide) (trifluoromethyl iodide) (methyl chloride) (MBFC-21 B2) (MBFC-21 B1) (MBFC-31 B1) (MBFC-121 B4) (MBFC-122 B3) (MBFC-122 B3) (MBFC-123 B2) (MBFC-133 B1) (MBFC-133 B1) (MBFC-131 B3) (MBFC-131 B3) (MBFC-132 B2) (MBFC-132 B1) (MBFC-131 B3) (MBFC-131 B1) (MBFC-141 B2) (MBFC-141 B2) (MBFC-141 B2) (MBFC-142 B1) (MBFC-142 B1)	

	Restrict	ted substances		IEC62474 Reference Substan	nces	
Control No.	IEC62474 DSL-ID	SubstanceGroup	IEC62474 RSL-ID	SpecificSubstance	CASnumber	CommonSynonyms
NO.	DSL-ID		R00224	Dibromopentafluoropropane	431-78-7	(HBFC-225 B2)
			R00225	Bromohexafluoropropane	2252-78-0	(HBFC-226 B1) (HBFC-231 B5)
			R00226 R00227	Pentabromofluoropropane Tetrabromodifluoropropane	-	(HBFC-231 B3) (HBFC-232 B4)
			R00228	Tribromotrifluoropropane	-	(HBFC-233 B3)
			R00229 R00230	Dibromotetrafluoropropane Bromopentafluoropropane	460-88-8	(HBFC-234 B2) (HBFC-235 B1)
			R00231	Tetrabromofluoropropane	-	(HBFC-241 B4)
			R00232 R00233	Tribromodifluoropropane Dibromotrifluoropropane	70192-80-2 431-21-0	(HBFC-242 B3) (HBFC-243 B2)
			R00234	Bromotetrafluoropropane	679-84-5	(HBFC-244 B1)
			R00235	Tribromofluoropropane	75372-14-4	(HBFC-251 B3)
			R00236 R00237	Dibromodifluoropropane Bromotrifluoropropane	460-25-3 421-46-5	(HBFC-252 B2) (HBFC-253 B1)
			R00238	Dibromofluoropropane	51584-26-0	(HBFC-261 B2)
			R00239 R00240	Bromodifluoropropane Bromofluoropropane	- 1871-72-3	(HBFC-262 B1) (HBFC-271 B1)
			R00241	Dichlorofluoromethane	75-43-4	(HCFC-21)
			R00242 R00243	Chlorodifluoromethane Chlorofluoromethane	75-45-6 593-70-4	(HCFC-22) (HCFC-31)
			R00244	Tetrachlorofluoroethane	134237-32-4	(HCFC-121)
				1, 1, 2, 2-Tetrachloro-1-fluoroethane 1, 1, 1, 2-Tetrachloro-2-fluoroethane	354-14-3 354-11-0	(HCFC-121) (HCFC-121a)
			R00245	Trichlorodifluoroethane	41834-16-6	(HCFC-122)
				1, 2, 2-Trichloro-1, 1-difluoroethane 1, 1, 2-Trichloro-1, 2-difluoroethane	354-21-2 354-15-4	(HCFC-122) (HCFC-122a)
				1, 1, 1-Trichloro-2, 2-difluoroethane	354-12-1	(HCFC-122b)
			R00246	Dichlorotrifluoroethane 1, 1-Dichloro-2, 2, 2-trifluoroethane	34077-87-7 306-83-2	(HCFC-123) (HCFC-123)
				1, 2-Dichloro-1, 1, 2-trifluoroethane	354-23-4	(HCFC-123a)
				1,1-Dichloro-1,2,2-trifluoroethane	90454-18-5 812-04-4	(HCFC-123b)
			R00247	Chlorotetrafluoroethane	63938-10-3	(HCFC-124)
				2-chloro-1, 1, 1, 2-tetrafluoroethane 1-chloro-1, 1, 2, 2-tetrafluoroethane	2837-89-0 354-25-6	(HCFC-124) (HCFC-124a)
			R00248	Trichlorofluoroethane 1.1.2-Trichloro-2-fluoroethane	27154-33-2; (134237-34-6)	(HCFC-131) (HCFC-131)
				1, 1, 2-Trichloro-1-fluoroethane	359-28-4	(HCFC131a)
				1, 1, 1-Trichloro-2-fluoroethane	811-95-0 2366-36-1	(HCFC-131b)
			R00249	Dichlorodifluoroethane	25915-78-0	(HCFC-132)
				1, 2-Dichloro-1, 2-difluoroethane 1, 1-Dichloro-2, 2-difluoroethane	431-06-1 471-43-2	(HCFC-132) (HCFC-132a)
				1, 2-Dichloro-1, 1-difluoroethane	1649-08-7	(HCFC-132b)
			R00250	1, 1-Dichloro-1, 2-difluoroethane Chlorotrifluoroethane	1842-05-3 1330-45-6	(HFCF-132c) (HCFC-133)
				1-Chloro-1, 2, 2-trifluoroethane	431-07-2	(HCFC-133)
				2-Chloro-1, 1, 1-trifluoroethane 1-Chloro-1, 1, 2-trifluoroethane	1330-45-6 75-88-7	(HCFC-133a) (HCFC-133b)
			R00251	Dichlorofluoroethane	421-04-5 1717-00-6;	(HCFC-141)
			NOOZOT	1, 2-Dichloro-1-fluoroethane	(25167-88-8)	(HCFC-141)
				1, 1-Dichloro-2-fluoroethane 1, 1-Dichloro-1-fluoroethane	430-57-9 430-53-5	(HCFC-141a) (HCFC-141b)
			DOGGEO		1717-00-6	
			R00252	Chlorodifluoroethane 2-Chloro-1, 1-Difluoroethane	25497-29-4 338-65-8	(HCFC-142) (HCFC-142)
				1-Chloro-1, 1-difluoroethane 1-Chloro-1, 2-difluoroethane	75-68-3 338-64-7	(HCFC-142b) (HCFC-142a)
			R00253	Chlorofluoroethane	110587-14-9	(HCFC-151)
				1-Chloro-2-fluoroethane 1-Chloro-1-fluoroethane	762-50-5 1615-75-4	(HCFC-151) (HCFC-151a)
			R00254	Hexachlorofluoropropane	134237-35-7	(HCFC-221)
				1, 1, 1, 2, 2, 3-Hexachloro-3-fluoropropane	29470-94-8 422-26-4	(HCFC-221ab)
			R00255	Pentachlorodifluoropropane	134237-36-8	(HCFC-222)
				1, 1, 1, 3, 3-pentachloro-2, 2-difluoropropane 1, 2, 2, 3, 3-pentachloro-1, 1-difluoropropane	422-49-1 422-30-0	(HCFC-222ca) (HCFC-222aa)
			R00256	Tetrachlorotrifluoropropane	134237-37-9	(HCFC-223)
				1, 1, 3, 3-Tetrachloro-1, 2, 2-trifluoropropane 1, 1, 1, 3-Tetrachloro-2, 2, 3-trifluoropropane	422-52-6 422-50-4	(HCFC-223ca) (HCFC-223cb)
			R00257	Trichlorotetrafluoropropane 1, 3, 3-Trichloro-1, 1, 2, 2-tetrafluoropropane	134237-38-0, 422-54-8,	(HCFC-224) (HCFC-224ca)
				1, 1, 3-Trichloro-1, 2, 2, 3-tetrafluoropropane	422-53-7,	(HCFC-224cb)
			R00258	1, 1, 1-Trichloro-2, 2, 3, 3-tetrafluoropropane Dichloropentafluoropropane	422-51-5 127564-92-5	(HCFC-224cc) (HCFC-225)
				2, 2-Dichloro-1, 1, 1, 3, 3-pentafluoropropane	128903-21-9	(HCFC-225aa)
				2, 3-Dichloro-1, 1, 1, 2, 3-pentafluoropropane 1, 2-Dichloro-1, 1, 2, 3, 3-pentafluoropropane	422-48-0 422-44-6	(HCFC-225ba) (HCFC-225bb)
				3, 3-Dichloro-1, 1, 1, 2, 2-pentafluoropropane	422-56-0	(HCFC-225ca)
				1, 3-Dichloro-1, 1, 2, 2, 3-pentafluoropropane 1, 1-Dichloro-1, 2, 2, 3, 3-pentafluoropropane	507-55-1 13474-88-9	(HCFC-225cb) (HCFC-225cc)
				1, 2-Dichloro-1, 1, 3, 3, 3-pentafluoropropane 1, 3-Dichloro-1, 1, 2, 3, 3-pentafluoropropane	431-86-7 136013-79-1	(HCFC-225da) (HCFC-225ea)
				1, 1-Dichloro-1, 2, 3, 3, 3-pentafluoropropane	111512-56-2	(HCFC-225eb)
			R00259	Chlorohexafluoropropane 2-Chloro-1, 1, 1, 3, 3, 3-hexafluoro-propane	134308-72-8 431-87-8	(HCFC-226) (HCFC-226da)
			R00260	Pentachlorofluoropropane	134190-48-0	(HCFC-231)
			R00261	1, 1, 1, 2, 3-pentachloro-2-fluoro-propane Tetrachlorodifluoropropane	421-94-3 134237-39-1	(HCFC-231bb) (HCFC-232)
				1, 1, 1, 3-Tetrachloro-3, 3-difluoropropane	460-89-9	(HCFC-232fc)
			R00262	Trichlorotrifluoropropane 1, 1, 1-Trichloro-3, 3, 3-trifluoropropane	134237-40-4 7125-83-9	(HCFC-233) (HCFC-233fb)
			R00263	Dichlorotetrafluoropropane	127564-83-4 425-94-5	(HCFC-234) (HCFC-234db)
			R00264	1, 2-Dichloro-1, 2, 3, 3-tetrafluoropropane Chloropentafluoropropane	134237-41-5	(HCFC-235)
			R00265	1-Chloro-1, 1, 3, 3, 3-pentafluoropropane Tetrachlorofluoropropane	460-92-4 134190-49-1	(HCFC-235fa) (HCFC-241)
				1, 1, 2, 3-Tetrachloro-1-fluoropropane	666-27-3	(HCFC-241db)
			R00266	Trichlorodifluoropropane 1, 3, 3, Trichloro-1, 1-difluoropropane	134237-42-6 460-63-9	(HCFC-242) (HCFC-242fa)
			R00267	Dichlorotrifluoropropane	134237-43-7	(HCFC-243)
				1,1-Dichloro-1,2,2-trifluoropropane 2,3-Dichloro-1,1,1-trifluoropropane	7125-99-7 338-75-0	(HCFC-243cc) (HCFC-243db)
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Display		Restricted substances IEC62474 Reference Substances						
1009 1.0	M-			IEC62474			CommonSynonyms	
Ministry	NO.	DSL-ID		RSL-ID		400.00.5	(1050 0405)	
2 2 2 2 2 2 2 2 2 2				R00268				
March				100200	3-Chloro-1, 1, 2, 2-tetrafluoropropane	679-85-6	(HCFC-244ca)	
11.5 **Tribute************************************				D00360				
11				K00209				
1.0								
March Marc				R00270				
Bodder				R00271				
1.0				D00070				
1.1.2 1.				R00272				
1-0 1-0					1, 2-Dichloro-2-fluoro-propane	420-97-3	(HCFC-261ba)	
Poblary Pobl				R00273				
Miles							(HCFC-262da)	
13				D00074				
11				R00274				
					1-Chloro-1-fluoropropane	430-55-7		
	I13	00044						
			(FDD)					
							1	
							-	
March Marc								
Bibliography Stock				R00310	Decabromobiphenyl	13654-09-6		
	I14	00045						
			ethers (PBDE)					
					Hexabromodiphenyl ether			
RO0118								
R00319					· · ·		_	
15								
				R00320	Octabromodiphenyl ether	32536-52-0		
116	I15		Cadmium/Cadmium compounds					
100022		00011						
00023	I16	00021	Lead/Lead Compounds					
No.		00022	Loudy Loud Compounds					
No.								
100 100								
R00159								
R00161								
R00165								
R00166							Lead phosphate	
R00167							Lead phosphate	
R00169								
R00170					Lead sulphate, tribasic			
R00171								
117 0012 Chromium (VI) Compounds R00112 Lead sulfochromate yellow 1344-37-2								
R00102 R00102 R00106 Strontium chromate 13765-19-0 R00109 Zinc chromate 13360-62-9 R00109 Zinc chromate 13530-65-9 R00103 R00103 Mercury R00107 Mercury R00107				R00172	Lead sulfochromate yellow	1344-37-2		
R00106 Strontium chromate 7789-06-2 R00109 Zinc chromate 7789-06-2 R00109 Zinc chromate 73530-05-9 R00174 R00175 R00175 R00175 R00175 R00175 R00176 R00177 R00178 R00179 R	I17	00012	Chromium (VI) Compounds	R00101	Barium chromate	10294-40-3		
18		1		D00465				
118					Calcium chromate	13765-19-0		
No.				R00106	Calcium chromate Strontium chromate	13765-19-0 7789-06-2		
R00176 Mercuric sulfate 7783-35-9	I18		Mercury/Mercury Compounds	R00106 R00109 R00173	Calcium chromate Strontium chromate Zinc chromate Mercury	13765-19-0 7789-06-2 13530-65-9 7439-97-6		
R00177 Mercuric nitrate 10045-94-0 R00178 Mercuric nitrate 10045-94-0 R00179 Mercuric nitrate 10045-93-2 R0028 R00287 2-Propencic nicrate 2-Propencic ni	I18	00030	Mercury/Mercury Compounds	R00106 R00109 R00173 R00174	Calcium chromate Strontium chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)-	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9		
R00178	I18	00030	Mercury/Mercury Compounds	R00106 R00109 R00173 R00174 R00175	Calcium chromate Strontium chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)— Mercury (II) chloride	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7		
R00179 Mercuric sulfide R00179 Mercuric sulfide R00179 R00179 R00179 R00179 R00179 R00179 R00179 R00280 2-Propencic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl ([cprfluoro-C4-8-alkyl)] - sulfonyl]amino]ethyl acrylate and vinylidene chloride R00280 Glycine, N-ethyl-N-[(heptadecafluorooctyl) sulfonyl]-, potassium salt	I18	00030	Mercury/Mercury Compounds	R00106 R00109 R00173 R00174 R00175 R00176	Calcium chromate Strontium chromate Zinc chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercury coulfate	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9		
2-[methyl[(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl 2-[methyl acrylate and vinyl idene chloride R00288 Glycine, N-ethyl, N[(heptadecaf luorooctyl) sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4, 6-di -tert-butylphenol (UV-320) (CAS No. 3846-71-7) 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) 3846-71-7 2-(2H-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) 2-(2H-benzotriazol-2-yl-4, 6-d	I18	00030	Mercury/Mercury Compounds	R00106 R00109 R00173 R00174 R00175 R00176 R00177 R00178	Calcium chromate Strontium chromate Zinc chromate Zinc chromate Mercury Mercury (11) chloride Mercuric sulfate Mercuric nitrate	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0		
		00030 00132		R00106 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179	Calcium chromate Strontium chromate Zinc chromate Zinc chromate Mercury Mercury Mercury, chloro(cyclohexylmethyl)- Mercuric sulfate Mercuric sulfate Mercuric cili oxide Mercuric sulfide Mercuric sulfide	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5		
R00288 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, 2991-51-7 2991-51-7		00030 00132 00124	Perfluorooctane sulfonates	R00106 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179	Calcium chromate Strontium chromate Zinc chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercuric sulfate Mercuric sulfate Mercuric (II) oxide Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5		
145		00030 00132 00124	Perfluorooctane sulfonates	R00106 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179	Calcium chromate Strontium chromate Zinc chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric nitrate Mercuric (II) oxide Mercuric sulfide Z-Propenoic acid, Z-methyl-, dodecyl ester, polymers with Z-[methyl [(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5		
-tert-butylphenol (UV-320)		00030 00132 00124	Perfluorooctane sulfonates	R00106 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287	Calcium chromate Strontium chromate Zinc chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric nitrate Mercuric (II) oxide Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N- (Meptadecafluorooctyl)sulfonyl]-,	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2		
147 00016 Dimethylfumarate (DMF) ~ Dimethylfumarate (DMF) 624-49-7 150 00014 Dibutyltin (DBT) compounds R00110 Dibutyltin diacetate 1067-33-0 151 00015 Dioctyltin (DOT) compounds R00115 Dioctyltin dilaurate 77-58-7 151 00015 Dioctyltin (DOT) compounds R00116 Dioctyltin dilaurate R00118 Contyltin dilaurate R00119 Contyltin dilaurate CMF) R00119 Contyltin dilaurate CMF) Contyltin dilaurate CMF	I44	00030 00132 00124 00125	Perfluoroctane sulfonates (PFOS)	R00106 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287	Calcium chromate Strontium chromate Strontium chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric (II) oxide Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl [Gperfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2	III 220:	
150	I44	00030 00132 00124 00125	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320)	R00106 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287	Calcium chromate Strontium chromate Strontium chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric (II) oxide Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl [Gperfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
R00112 Dibutyltin dilaurate 77-58-7 R00113 Dibutyltin maleate 78-04-6 R00114 Other dibutyltin compounds -	144	00030 00132 00124 00125	Perfluoroctane sulfonates (PFOS) 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) (CAS No. 3846-71-7)	R00106 R00109 R00173 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287	Calcium chromate Strontium chromate Zinc chromate Zinc chromate Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric nitrate Mercuric (II) oxide Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
R00113 Dibutyltin maleate 78-04-6	145	00030 00132 00124 00125 00035	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF)	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287	Calcium chromate Strontium chromate Zinc chromate Zinc chromate Mercury Mercury (II) chloride Mercuric sulfate Mercuric ill oxide Mercuric (II) oxide Mercuric sulfide Z-Propencic acid, Z-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(heptadecafluorocctyl)sulfonyl]-, potassium salt Z-benzotriazol-Z-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin oxide	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
R00114 Other dibutyltin compounds -	145	00030 00132 00124 00125 00035	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF)	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288 ~ R00110 R00111	Calcium chromate Strontium chromate Zinc chromate Zinc chromate Mercury. Mercury. Mercury. Mercury (II) chloride Mercuric sulfate 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perf luoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine. N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin oxide Dibutyltin oxide Dibutyltin diacetate	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
Dioctyltin (DOT) compounds	145	00030 00132 00124 00125 00035	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF)	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288 ~ R00110 R00111 R00111	Calcium chromate Strontium chromate Strontium chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric ill oxide Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl [derfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(meptadecafluorooctyl)sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin oxide Dibutyltin diacetate Dibutyltin diacetate Dibutyltin diacetate	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7 624-49-7 818-08-6 1067-33-0 771-58-7	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
	145	00030 00132 00124 00125 00035	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF)	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288 ~ R00110 R00111 R00111 R001112	Calcium chromate Strontium chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric (II) oxide Mercuric sulfide Z-Propencic acid, Z-methyl-, dodecyl ester, polymers with 2-[methylf(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt Z-benzotriazol-Z-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin diacetate Dibutyltin diacetate Dibutyltin maleate	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7 624-49-7 818-08-6 1067-33-0 771-58-7	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
	144 145 147 150	00030 00132 00124 00125 00035	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4,6-di -tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF) Dibutyltin (DBT) compounds	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288 R00110 R00111 R00111 R00111 R00111 R00111 R00111 R00111	Calcium chromate Strontium chromate Zinc chromate Mercury. Mercury. Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric (II) oxide Mercuric sulfide Z-Propenoic acid, Z-methyl-, dodecyl ester, polymers with 2-[methyl[[perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine. N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt Z-benzotriazol-Z-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin diaurate Dibutyltin dialearate Dibutyltin maleate Other dibutyltin compounds	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7 818-08-6 1067-33-0 77-58-7 78-04-6	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
	144 145 147 150	00030 00132 00124 00125 00035	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4,6-di -tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF) Dibutyltin (DBT) compounds	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288 R00288 R00110 R00111 R00111 R001112 R00113 R00114 R00115 R00115 R001116	Calcium chromate Strontium chromate Strontium chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric (II) oxide Mercuric sulfide 2-Propencic acid, 2-methyl-, dodecyl ester, polymers with 2-[methylf(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin oxide Dibutyltin dilaurate Dibutyltin dilaurate Dibutyltin maleate Other dibutyltin ompounds Dioctyl Tin Oxide Dioctyltin dilaurate	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7 624-49-7 818-08-6 1067-33-0 771-58-7 78-04-6 - 870-08-6	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
	144 145 147 150	00030 00132 00124 00125 00035 00016 00014	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4, 6-di -tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF) Dibutyltin (DBT) compounds	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288 R00288 R00110 R00111	Calcium chromate Strontium chromate Strontium chromate Zinc chromate Mercury Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric (II) oxide Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl [(perfluoro-C4-8-alkyl) - sulfonyl]amino]ethyl acrylate and vinyl idene chloride Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin diacetate Dibutyltin diacetate Dibutyltin maleate Other dibutyltin compounds Dioctyl Tin Oxide Dioctyl Tin Oxide Dioctyl Tin Oxide Diotyltin dilaurate Other Dioctyltin dompounds	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7 624-49-7 818-08-6 1067-33-0 77-58-7 78-04-6 - 870-08-6 3648-18-8	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
	144 145 147 150	00030 00132 00124 00125 00035	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF) Dibutyltin (DBT) compounds Dioctyltin (DOT) compounds	R00106 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288 ~ R00110 R00111 R00112 R00113 R00114 R00115 R00116 R00117 R00117 R00117 R00117	Calcium chromate Strontium chromate Strontium chromate Zinc chromate Mercury Mercury. chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric sulfate Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl [cperfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(meptadecafluorooctyl)sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) Dimethyl fumarate (DMF) Dibutyltin diacetate Dibutyltin diacetate Dibutyltin diacetate Dibutyltin maleate Other dibutyltin compounds Dioctyl Tin Oxide Dioctyl Tin Oxide Dioctyl Tin Oxide Diotyltin di laurate Other Dioctyltin compounds Hexabromocyclododecane (HBCDD)	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7 624-49-7 818-08-6 1067-33-0 777-58-7 78-04-6 - 870-08-6 3648-18-8 - 25637-99-4	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
	144 145 147 150	00030 00132 00124 00125 00035 00016 00014	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4,6-di -tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF) Dibutyltin (DBT) compounds Dioctyltin (DOT) compounds Hexabromocyclododecane (HBCDD) and all major diastereoisomers	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288 R00288 R00110 R00111	Calcium chromate Strontium chromate Strontium chromate Zinc chromate Mercury Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric (II) oxide Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl [(perfluoro-C4-8-alkyl) - sulfonyl]amino]ethyl acrylate and vinyl idene chloride Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin diacetate Dibutyltin diacetate Dibutyltin maleate Other dibutyltin compounds Dioctyl Tin Oxide Dioctyl Tin Oxide Dioctyl Tin Oxide Diotyltin dilaurate Other Dioctyltin dompounds	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7 624-49-7 818-08-6 1067-33-0 77-58-7 78-04-6 - 870-08-6 3648-18-8	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
	144 145 147 150	00030 00132 00124 00125 00035 00016 00014	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4,6-di -tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF) Dibutyltin (DBT) compounds Dioctyltin (DOT) compounds Hexabromocyclododecane (HBCDD) and all major diastereoisomers	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288 ~ R00110 R00111 R00111 R00111 R00112 R00113 R00114 R00115 R00116 R00117 R00114 R00117 R00147 R00148 R00149 R00150	Calcium chromate Strontium chromate Strontium chromate Zinc chromate Mercury Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric nitrate Mercuric sulfide 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl [cperfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(meptadecafluorooctyl) sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin diacetate Dibutyltin diacetate Dibutyltin diacetate Dibutyltin diacetate Dioctyltin diacetate Dioctyltin diacetate Dioctyltin diacetate Other dibutyltin compounds Dioctyltin diacetate Diotyltin compounds Dioctyltin diacetate Dibutyltin diacetate	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7 624-49-7 818-08-6 1067-33-0 77-58-7 78-04-6 - 870-08-6 3648-18-8 - 25637-99-4 134237-50-6 134237-51-7 134237-52-8	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	
The same of the sa	444 445 445 455 455 455 455 455 455 455	00030 00132 00124 00125 00035 00016 00014	Perfluorooctane sulfonates (PFOS) 2-benzotriazol-2-yl-4,6-di -tert-butylphenol (UV-320) (CAS No. 3846-71-7) Dimethylfumarate (DMF) Dibutyltin (DBT) compounds Dioctyltin (DOT) compounds Hexabromocyclododecane (HBCDD) and all major diastereoisomers	R00106 R00109 R00109 R00173 R00174 R00175 R00176 R00177 R00178 R00179 R00287 R00288	Calcium chromate Strontium chromate Strontium chromate Zinc chromate Mercury Mercury, chloro(cyclohexylmethyl)- Mercury (II) chloride Mercuric sulfate Mercuric sulfate Mercuric (II) oxide Mercuric sulfide 2-Propencic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320) Dimethylfumarate (DMF) Dibutyltin diacetate Dibutyltin diacetate Dibutyltin maleate Other dibutyltin compounds Dioctyl Tin Oxide Dioctyl Tin Oxide Dioctyltin di laurate Other Dioctyltin compounds Hexabromocyclododecane beta-hexabromocyclododecane	13765-19-0 7789-06-2 13530-65-9 7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 306975-62-2 2991-51-7 3846-71-7 624-49-7 818-08-6 1067-33-0 771-58-7 78-04-6 870-08-6 3648-18-8 25637-99-4 134237-50-6 134237-50-6	2-(2H-benzotriazol-2-yl)-4,6-di -tert-butylphenol: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bi	

		ed substances		IEC62474 Reference Substan		
Control No.	IEC62474 DSL-ID	SubstanceGroup	IEC62474 RSL-ID	SpecificSubstance	CASnumber	CommonSynonyms
153	00160	Perfluorooctanoic acid	R00499	Pentadecafluorooctanoic acid	335-67-1	Perfluorooctanoic acid
	00161	(PFOA) and individual salts and esters of PFOA	R00500 R00501	Ammonium pentadecafluorooctanoate Sodium pentadecafluorooctanoate	3825-26-1 335-95-5	Ammonium perfluorooctanoate Sodium perfluorooctanoate
		and cocord or rrow	R00502	Potassium pentadecafluorooctanoate	2395-00-8	Potassium perfluorooctanoate
			R00503	Silver pentadecafluorooctanoate	335-93-3	Silver perfluorooctanoate
			R00504	Pentadecafluorooctanoic acid	335-67-1	Perfluorooctanoic acid
			R00505 R00506	Ammonium pentadecafluorooctanoate Sodium pentadecafluorooctanoate	3825-26-1 335-95-5	Ammonium perfluorooctanoate Sodium perfluorooctanoate
			R00506	Potassium pentadecafluorooctanoate	2395-00-8	Potassium perfluorooctanoate
			R00508	Silver pentadecafluorooctanoate	335-93-3	Silver perfluorooctanoate
			R00509	Pentadecafluoroctanoyl fluoride	335-66-0	Perfluoroctanoyl fluoride
			R00510	Methyl pentadecafluorooctanoate	376-27-2	Methyl perfluorooctanoate
			R00511 R00512	Ethyl pentadecafluorooctanoate 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluordecan-1-o	3108-24-5 678-39-7	Ethyl perfluorooctanoate
			1100012		0,0 00 ,	
			R00724	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl ester	1996-88-9	1H, 1H, 2H, 2H-Heptadecaf luorodecy I Methacrylate (stabilized with MEH0): 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecaf luorodecyl 2-methylprop-2-enoate: 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecaf luorodecyl methacrylate
I54	00108	Polycyclic aromatic	~	Benzo[a]pyrene (BaP)	50-32-8	BaP: Benzo[def]chrysene
	00109	hydrocarbons (PAHs)	~	Benzo[e]pyrene (BeP)	192-97-2	BeP
	00110 00111		~	Benzo[a]anthracene (BaA) Chrysen (CHR)	56-55-3 218-01-9	BaA; Benz[a]anthracene
	00111		~	Benzo[b]fluoranthene (BbFA)	205-99-2	CHR; chrysene BbFA
	00113		~	Benzo[j]fluoranthene (BjFA)	205-82-3	BjFA
	00114		~	Benzo[k]fluoranthene (BkFA)	207-08-9	BkFA
	00115		~	Dibenzo[a, h] anthracene (DBAhA)	53-70-3	DBAhA
	00116 00117		~	Benzo[a]pyrene (BaP) Benzo[e]pyrene (BeP)	50-32-8 192-97-2	BaP: Benzo[def]chrysene BeP
	00117		~	Benzo[a]anthracene (BaA)	56-55-3	BaA; Benz[a]anthracene
	00118		~	Chrysen (CHR)	218-01-9	CHR; chrysene
	00120]	~	Benzo[b]fluoranthene (BbFA)	205-99-2	BbFA
	00121		~	Benzo[j]fluoranthene (BjFA)	205-82-3	BjFA
	00122		~	Benzo[k]fluoranthene (BkFA)	207-08-9	BkFA
156	00123 00038	Bis	~	Dibenzo[a, h] anthracene (DBAhA) Bis (2-ethylhexyl) phthalate (DEHP)	53-70-3 117-81-7	DBAhA DEHP; 1, 2-Benzenedicarboxylic
150	00038	(2-ethylhexyl)phthalate (DEHP)		DIS (2-edityllexy)/phulatate (DLIF)	117-61-7	acid, bis(2-ethylhexyl) ester
157	00039	Dibutyl phthalate (DBP)	~	Dibutyl phthalate (DBP)	84-74-2	DBP: 1,2-Benzenedicarboxylic acid, dibutyl ester
158	00040	Benzyl butyl phthalate (BBP)	~	Benzyl butyl phthalate (BBP)	85-68-7	BBP; 1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester
159	00041	Diisobutyl phthalate(DIBP)	~	Diisobutyl phthalate	84-69-5	DIBP: Bis (2-methylpropyl) benzene-1, 2- dicarboxylate: 1, 2-Benzenedicarboxylic acid, bis (2-methylpropyl) ester
162	00182	Long chain perfluorocarboxylic acids (C9-C14PFCAs)	R00744	Undecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 11-henicosafluor	2058-94-8	bis (2-methy) propy)/ ester
			R00745	Perfluorononan-1-oic acid, sodium salt	21049-39-8	
			R00746	Dodecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-tricosa	307-55-1	
				fluoro-		
			R00747	Ammonium nonadecafluorodecanoate	3108-42-7 335-76-2	
			R00748	Decanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-nonadecafluoro-	335-76-2	
			R00749	Nonanoic acid,	375-95-1	
			R00750	2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 9-heptadecafluoro- Tetradecanoic acid,	376-06-7	
				2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 4, 14-heptacosafluoro-		
			R00751	Sodium nonadecafluorodecanoate	3830-45-3	
			R00752 R00753	Perfluorononan-1-oic acid, ammonium salt Tridecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13-p	4149-60-4 72629-94-8	
163	00183	C9-C14 PFCAs related	R00754	entacosafluoro- Dodecanoic acid,	16486-96-7	
		substances	P06777	2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 12, 12, 12-docosafluo ro-11-(trifluoromethyl)-	4705 :: :	
			R00755	Undecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11-eicosafluoro-	1765-48-6	
			R00756	Tetradecanoic acid. 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 14, 14, 1 4-hexacosafluoro-13-(trifluoromethyl)-	18024-09-4	
			R00757	Undecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11-eicosafluoro-, potassium salt	307-71-1	
			R00758	Decanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 10-octadecafluoro-9-(tri	3658-63-7	
			R00759	fluoromethyl)-, ammonium salt Ammonium tricosafluorododecanoate	3793-74-6	
			R00760	Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluo ro-11-(trifluoromethyl)-, compd. With ethanamine (1:1)	68015-87-2	
			R00761	2-Propenoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafl uorododecyl ester, polymer with	115592-83-1	
				3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.14		
			R00762	-pentacosafluorotetradecyl 2-propenoate and 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-tridecafluorocctyl 2-propenoate 2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with	125328-29-2	

		ted substances		IEC62474 Reference Substan	nces	
Control No.	IEC62474 DSL-ID	SubstanceGroup	IEC62474 RSL-ID	SpecificSubstance	CASnumber	CommonSynonyms
			R00763	2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and gamma-omega perfluoro-C8-14-alkyl acrylate	129783-45-5	
			R00764	2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and gamma-omega-perfluoro-C8-14-alkyl acrylate	144031-01-6	
			R00765	Dodecanoy fluoride, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 12, 12, 12-docosafluo ro-11-(trifluoromethyl)-	15811-52-6	
			R00766	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 15, 15, 15- tetracosafluoro-2-211etrieve-14-(trifluoromethyl)pentadecyl acrylate	16083-87-7	
			R00767	2-Propenoicacid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 1 2, 12-heneicosafluorododecylester	17741-60-5	
			R00768	Bis [3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-henicos af luor ododecyl] hydrogen phosphate	1895-26-7	
			R00769	Dodecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10-hene icosaf luoro- 12-iodo-	2043-54-1	
			R00770	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafl uorododecyl ester	2144-54-9	
			R00771	Tetradecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12-pent acosafluoro-14-iodo-	30046-31-2	
			R00772	Undecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11-tricosaflu oro-11-iodo-	307-50-6	
			R00773	Dodecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12-pent acosafluoro-12-iodo-	307-60-8	
			R00774	Tetradecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 1 3, 14, 14-nonacosaf luoro-14-iodo-	307-63-1	
			R00775	Dodecane, 1, 1, 1, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12-tetrac osaf luoro-12-iodo-2-	3248-61-1	
			R00776	Tetradecane, 1, 1, 1, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14-octacosafluoro-14-iodo-2-	3248-63-3	
			R00777	Pentadecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 1 1, 12, 12, 13, 13, 14, 14, 15, 15-hentriacontafluoro-15-iodo-	335-79-5	
			R00778	Tridecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 1	376-04-5	
			R00779	3-heptacosaf luoro-13-i odo- 1-Tetradecanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14	39239-77-5	
			R00780	-pentacosafluoro- Decane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10-heneicosafluoro- 10-iodo-	423-62-1	
			R00781	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15 ,15,16,16,16-nonacosafluorohexadecyl ester	4980-53-4	
			R00782	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 14, 14, 14-te tracosafluoro-13-(trifluoromethyl) tetradecyl acrylate	52956-82-8	
			R00783	Nonane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9-nonadecafluoro-9-iodo-	558-97-4	
			R00784	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14 -pentacosafluorotetradecyl ester	6014-75-1	
			R00785	1-Hexadecano I, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 16-nonacosaf luoro-	60699-51-6	
			R00786	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 13, 13, 13-icosafluoro- 2-hydroxy-12-(trifluoromethyl)tridecyl dihydrogen phosphate	63295-27-2	
			R00787	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 15, 15, 15- tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl dihydrogen phosphate	63295-28-3	
			R00788	2-Propenoic acid. 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafl uorododecyl ester, polymer with 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 3, 3, 4, 4, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 1, 12, 12, 13, 13, 14, 14, 14-pentacosafluorotetradecyl 2-methyl-2-propenoate and 3, 3, 4, 4, 5, 6, 6, 7, 7, 8, 8, 9+ ridecafluorooctyl 2-methyl-2-propenoate	65104-45-2	
			R00789	Hexadecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 1 3, 14, 14-nonacosaf luoro-16-iodo-	65510-55-6	
			R00790	Undecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9-nonadecafluoro-11-iodo	65510-56-7	
			R00791	Decane, 1, 1, 1, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10-eicosafluoro-10-io do-2-(trifluoromethyl)-	677-93-0	
			R00792	Tetradecanoyl fluoride, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 14, 14, 1 4-hexacosafluoro-13-(trifluoromethyl)-	68025-62-7	
			R00793	2H-Pyran, 2, 2, 3, 3, 4, 4, 5, 5, 6-nonafluorotetrahydro-6- (nonadecafluoronony 1)-	68155-54-4	
			R00794 R00795	Alkyl iodides, C4-20, gamma-omega-perfluoro Fatty acids, C7-13, perfluoro	68188-12-5 68333-92-6	
			R00796 R00797	Alkyl iodides, C10-12, gamma-omega-perfluoro Phosphonic acid, perfluoro-C6-12-alkyl derivs.	68390-33-0 68412-68-0	
			R00798	Phosphinic acid, bis(perfluoro-C6-12-alkyl)derivs.	68412-69-1	
			R00799	1-(carboxylatomethyl)-1-(2-hydroxyethyl)-4-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-nonadecafluoro-1-oxodecyl)piperazin ium	71356-38-2	
			R00800 R00801	Fatty acids, C7-13, perfluoro, ammonium salts 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 12, 12, 12-icosafluoro-11	72968-38-8 74256-14-7	
			R00802	-(trifluoromethyl) dodecyl methacrylate 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 14, 14, 14-te	74256-15-8	
	<u> </u>			tracosafluoro-13-(trifluoromethyl)tetradecyl methacrylate	<u> </u>	

	Restric	ted substances		IEC62474 Reference Substan	nces	
Control No.	IEC62474 DSL-ID	SubstanceGroup	IEC62474 RSL-ID	SpecificSubstance	CASnumber	CommonSynonyms
			R00803	2-Propenoic acid, gamma-omega-perfluoro-C8-14-alkyl esters	85631-54-5	
			R00804	2-Propenoic acid, perfluoro-C8-16-alkyl esters	85681-64-7	
			R00805	1-Dodecanol,	865-86-1	
				3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafl		
				uoro-		
			R00806	Alkyl iodides, C6-18, perfluoro	90622-71-2	
			R00807	Amides, C7-19, α-ω-perfluoro-N, N-bis (hydroxyethyl)	90622-99-4	
			R00808	Fatty acids, C7-19, perfluoro	91032-01-8	
			R00809	Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts	93062-53-4	
			R00810	1, 1'-[oxybis[(1-methylethylene)oxy]]bis[4, 4, 5, 5, 6, 6, 7, 7, 8, 8,	93776-00-2	
			K00810	9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 15-pentacosafluorope ntadecan-2-ol1	93770-00-2	
			R00811	(2-carboxylatoethyl) (dimethyl) [3-[(4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 1 0, 10, 11, 11, 12, 12, 13, 13,	93776-12-6	
				14, 14, 15, 15, 15-pentacosafluoro-2-hydroxypentadecyl) amino]pro pyl]ammonium		
			R00812	(2-carboxylatoethyl) [3-[(4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11	93776-13-7	
				, 12, 12, 13, 13, 13-henicosafluoro-2-hydroxytridecyl) amino]propy I dimethylammonium		
			R00813	(2-carboxylatoethyl) (dimethyl) [[[4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10,	93776-15-9	
			l	10, 11, 11, 12, 12, 13, 13, 14, 15, 15, 15-tetracosafluoro-2-hydroxy-1		
				4-(trifluoromethyl)pentadecyl]amino]propyl]mmonium		
			R00814	bis (2-hydroxyethyl) methyl (4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 1 1, 12, 12, 13, 13, 14, 14, 15, 15, 15-pentacosafluoro-2-hydroxypentad ecyl) ammonium iodide	93776-16-0	
			R00815	[4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13-henicosa	93776-17-1	1
				fluoro-2-hydroxytridecan-1-yl][bis(2-hydroxyethyl)]methylamm onium iodide		
			R00816	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13-henicosaf luoro-2-hydroxytridecyl dihydrogen phosphate	94158-70-0	
			R00817	bis (2-hydroxyethyl)methyl [4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 1 1, 12, 12, 13, 13, 14, 15, 15, 15-tetracosafluoro-2-hydroxy-14-(trif	94159-76-9	
			R00818	luoromethy) pentadecy] ammonium iodide 1-[[3-(dimethylamino)propy] amino]-4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 1 0, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 15-pentacosafluoropentade	94159-79-2	
			R00819	can-2-ol 1-[[3-(dimethylamino)propyl]amino]-4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 1	94159-80-5	
				0, 10, 11, 11, 12, 12, 13, 13, 13-henicosafluorotridecan-2-ol		
			R00820	1-[[3-(dimethylamino)propyl]amino]-4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 1 0, 10, 11, 11, 12, 12, 13, 13, 14, 15, 15, 15-tetracosafluoro-14-(trifluoromethyl)pentadecan-2-ol	94159-82-7	
			R00821	1-[[3-(dimethylamino)propyl]amino]-4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 1 0, 10, 11, 11, 12, 13, 13, 13-icosafluoro-12-(trifluoromethyl)tride can-1-ol	94159-83-8	
			R00822	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 15-pentacosaf luor o-2-hydroxypentadecyl dihydrogen phosphate	94200-42-7	
			R00823	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 17-nonacosafluoro-2-hydroxyheptadecyl dihydrogen	94200-43-8	
			R00824	phosphate Diammonium 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13-henicosaf	94200-46-1	
			Dogge =	luoro-2-hydroxytridecyl phosphate	04000 := -	
			R00825	Diammonium 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 15-pentacosafluoro-2-hydroxypentadecyl phosphate	94200-47-2	
			R00826	Diammonium	94200-48-3	+
			NOUZU	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 17–nonacosafluoro-2-hydroxyheptadecyl phosphate	34200 40 ⁻³	
			R00827	Diammonium 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 13, 13, 13-icosafluoro-	94200-50-7	
			R00828	2-hydroxy-12-(trifluoromethyl)tridecyl phosphate	94200-51-8	
			πυυδ2δ	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 15, 15, 15- tetracosafluoro-2-hydroxy-14-(trifluoromethyl) pentadecyl	94200-01-8	
164	00174	Phenol, Isopropylated Phosphate (3:1) (PIP (3:1))	~	phosphate Phenol. Isopropylated Phosphate (3:1) (PIP (3:1))	68937-41-7	
165	00143	Perfluorohexane-1-sulphoni	R00488	Perfluorohexane-1-sulphonic acid	355-46-4	+
.00	30140	c acid(PFHxS), its salts,	R00489	ammonium perfluorohexane-1-sulphonate	68259-08-5	
		and PFHxS-related	R00490	potassium perfluorohexane-1-sulphonate	3871-99-6	
		Substances				

6.2 Examples of "Advance notice of restricted substances"

Examples of substances defined in Section 4.2 "Advance notice of restricted substances" are shown below, organized by chemical substance group.

Table 6.2 Reference substances list of "Advance notice of restricted substances"

	Restricted substances			IEC62474 Reference Substances			
Control No.	IEC62474 DSL-ID	SubstanceGroup	IEC62474 RSL-ID	SpecificSubstance	CASnumber	CommonSynonyms	
166	00147	1, 6, 7, 8, 9, 14, 15, 16, 17, 17, 1 8, 18-Dodecachloropentacycl o[12, 2, 1, 16, 9, 02, 13, 05, 10]	R00493	1, 4:7, 10-Dimethanodibenzo[a, e]cyclooctene, 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-	13560-89-9	Dechlorane Plus™	
		octadeca-7, 15-diene ("Dechlorane Plus"™)	R00494	1, 4:7, 10-Dimethanodibenzo[a, e]cyclooctene, 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-, (IR, 48, 4a8, 6a8, 78, 10R, 10aR, 12aR)-re -	135821-74-8	anti- (or exo) Dechlorane Plus™	
			R00495	1, 4:7, 10-Dimethanodibenzo[a, e]cyclooctene, 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-, (1R, 4S, 4aS, 6aR, 7R, 10S, 10aS, 12aR)-re -	135821-03-3	syn- (or endo) Dechlorane Plus™	
167	00130	2-(2H-benzotriazol-2-y1)-4 ,6-ditertpentylphenol (UV-328)	~	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	UV-328: 2-(2H-benzotriazol-2-yl)-4,6-bi s(2-methylbutan-2-yl)phenol: Phenol. 2-(2H-benzotriazol-2-yl)-4,6-bi s(1,1-dimethylpropyl)-	

[Revision history]

Version	Details of revision	Revision date
Ver. 2	The control level of substances was changed from contained substances (Level 4) to substances to be reduced (Level 3). 2. The definition for "common electric items" was added to the concept of chemical substances control. The "oxide" in "Bis (chloromethyl) oxide" in I40 was changed to the "ether " more appropriately. Examples of pigments that form specified amines were added to Table 2-2. 4. The investigations on "common electric items" were added to the Investigation details and were modified.	November 10, 2006
Ver. 3	2-naphthylamine in I41 was eliminated from the category because it is included in Annex Table 1. "List of specific amines that should not be formed." Revisions were made due to the elimination.	November 21, 2006
Ver. 4	The "common electric items" were changed to "electronic devices" and the definition was revised accordingly. 137 benzidine and 4-aminodiphenyl were eliminated from 137 and 138, respectively, because they are included in 110 of the "List of specific amines that should not be formed." While bromobenzylbromotoluene (DBBT), monomethyl-tetrachloro-diphenyl methane, and monomethyl-dichloro-diphenyl methane are classified as PCBsin 11, these substances were categorized separately (131, 134, and 135) and notes were added to Table 2-10 to clarify that point. A typo was corrected in "monomethyl-tetrachloro-diphenyl methane." (from terora to tetra) Substances for PCBs were added to Annex Table 5, Chemical Substance Examples. A description was added to Table 2-11 to explain the details of control regarding yellow phosphorus.	December 12, 2006
Ver. 5	Ozone depleting substances (excluding HCFCs) 111 and ozone depleting substances (HCFCs) 112 were consolidated into one category. Benzene and its salts were eliminated from category I40. The control numbers changed in Ver.4 were changed back to the original numbers. The regulatory limits for I1 and I4 were reviewed. P51 Benzene was added to substances that are prohibited from use in manufacturing processes.	January 16, 2007 Rev. 0
Ver. 6	Perfluorooctane sulfonic acids (PFOS) were added to I44. 2- (2H-1,2,3-benzotriazole-2-yl) -4,6-di-tert-butylphenol was added to I45. Examples of uses for I44 and I45were added to Table 7, "List of uses for prohibited substances (Level 1)." Substances of I44 were added to Annex Table 5, Chemical Substance Examples. The regulatory limits for 3.4 packaging materials were reviewed. Note 2 for the Yamatake group's list of items exempted from RoHS regarding deca BDE was revised.	July 18, 2008 Rev.1
Ver. 7	Our group name, "Yamatake Group" was changed to "azbil Group." 1) Status of the "Standards for Hazardous Substances Contained in Products Material for Suppliers Distribution," and 4) Important notice were added to 1. Scope. In 2. Chemical substances control, names for (Level 1), (Level 2), and (Level 3) were changed to "prohibited substances," "substances to be banned after the expiration date," and "substances to be reduced by voluntary restrictions," respectively, and 6) substances that require information provision (Level 4) was added. Descriptions were added on exemption from RoHS was added to 7) Prohibition of intentional addition, and control numbers were added to 13) Japan Green Procurement Survey Standardization Initiative (JGPSSI), and 15) EU's REACH regulation and 16) SVHC. 3. Regulated chemical substances 3.1 Prohibited substances (Level 1) Threshold values for 14, and 17-19 were reviewed. Portable batteries was added to 115. "Battery" in 118 was changed to "Portable batteries." Substance names for 144 were reviewed. CSCL Class I Specified substances were added to 146. Category 18 was expanded from "Triphenyltin compounds (TPTs)" to "Tri-substituted organostannic compounds (TBTs)" and other related revisions were made accordingly Restriction for PVC in Table 2-8 was reviewed for the use for packaging materials. Names and restrictions for PFOS in Table 2-12 were reviewed. A description on ozone depleting substances in Table 2-13 was added. Substances that require information provision (Level 4) were added, and (Level 3) substances were eliminated. Polyvinylchloride (PVC), cobalt chloride, dimethyl fumarate (DMF) were added to 3.4, "Packaging materials that are subject to control." A note was added to Table 6 "The azbil Group's list of items exempted from RoHS" to state that revised provisions for the RoHS Directive will supercede the present regulations. 146 was added to the examples of uses of regulated substances in 3.6. The descriptions in 4, "Investigation details" were reviewed. 5	

Ver. 8	 Prohibited substances (Level 1) were determined to be within the range of JIG-101 Ed4.0. Prohibited substances 15, 16, 121-143, and 146 were deleted. The details of prohibition and regulatory limits were reviewed, and organized to make it consistent with JIG Revisions due to changes on substances subject to control were reflected Prohibited substances 147-151 were added Changes to exemptions from RoHS were reflected Table 6 The azbil Group's list of items exempted from RoHS was updated. The latest SVHC (46 substances) under REACH were updated The SVHC list was separated from Table 4 Substances that require information provision (Level 4), and Annex Table 8 was added. Review of the chemical substances control list Annex Table 6 Chemical Substance Examples (Level 1) was reviewed. Corrections of errors and alteration of descriptions 	July 2011 Rev.3
Ver. 8.1	Corporate Name Change to Azbil Corporation The latest SVHC (73 substances) under REACH were updated	April 2012 Rev.4
Ver. 9	Fixed the description of terms Added I52–I55 to <level 1=""> Resurrected <level 2="">, and added I56–I59 (phthalic acid esters 4 substances) Table 6 on RoHS exemptions was updated Example substances were added in Annex 5 and Annex 9 Annex 4 and Annex 8 was deleted. Annex numbers were arranged.</level></level>	Dec. 2015 Rev5
Ver10	Chemical substance list to be referred to was changed from JIG - 101 (discontinued) to international standard IEC 62474, and related changes were made. Substances (group) to be excluded were deleted. Items to be exempted by EU RoHS Directive Annex III were revised.	May 2019 Rev6
Ver11	 Document number and document structure were changed. The term "prohibited substance" was changed to "restricted substance." For restricted substances, Tables 1,2, 5, and 7 were combined to Table 4.1 For example substances, Tables 5, 6, 7, and 9 were combined into Table 6.1 The number of the RoHS exemptions list was changed from Table 6 to Table 4.3. The number of the list of substances requiring information provision was changed from Table 4 to Table 4.2. Restricted substances 160, 161 were added. The restricted substance layer was added, and the explanations for levels 1, 2, 3, and 4 were deleted. Accordingly, Tables 10 and 11 were deleted. Regarding chemical substances prohibited from use in the manufacturing process, Tables 3 and 8 were deleted because they are included in the environmental conservation activities stipulated in the "azbii Group Green Procurement Standard for Suppliers." Regarding the survey of chemical substances contained in purchased products, the survey by chemSHERPA was defined and Table 9 was deleted. 	
Ver12	 Restricted substances I62, I63 were added. Updated Tables 4.1, 4.3, and 6.1. 	November 2022 PQ000001 Rev.1
Ver13	 Restricted substances I64, I65 were added, Advance notice of restricted substances I66, I67 were added. Updated Table 4.1, inserted Table 4.2 (renumbered tables after 4.3), updated Table 6.1. 	October 2023 PQ000001 Rev.2

