

BLACK AND GREY LISTS OF CHEMICAL SUBSTANCES, APPENDIX 1 REACH
Substances on European REACH (ref. IEC62474 List of declarable substances)

ID	SubstanceGroup	SpecificSubstance	SubstanceClarification	CASNumber	CommonSynonyms	TypicalApplications	Basis	BasisDescription	ReportableApplications	ReportingThreshold	ReportingLevel	ReportingRequirement	MassInfoRequirements	FirstAdded	LastRevised	
00001		Diarsenic pentoxide		1303-28-2		Additive in wood, metal, glass and plastics	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28	
00002		Diarsenic trioxide		1327-53-3	diarsenic trioxide; Arsenic oxide, (As2O3)	Additive in wood, metal, glass and plastics	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28	
00003	Asbestos	See Reference Substance worksheet for more details	Notes: This declarable substance group has a complete list of substances that is specified in the reference substance list	See Reference Substance worksheet for more details		Insulator, filler, pigment, paint, talc	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [USA] Toxic Substances Control Act (TSCA); (Switzerland) Act of Reduction of Risks in Treatment of Specified Hazardous Substances, Preparations, and Articles in Switzerland (ChemRRV) Swiss Ordinance 814.81	All	Intentionally added	Product	Mandatory	Mass percent of product	2010-04-02	2016-03-28	
00004	Azocolorants and Azodyes which form certain aromatic amines	See Reference Substance worksheet for more details	Notes: 1. The European Community's ban applies to azocolorants and azodyes that by reductive cleavage of azo groups may release one of the aromatic amines listed as references. The threshold level given applies to these amines, not to the azocolorants and azodyes; 2. This declarable substance group has a complete list of substances that is specified in the reference substance list	See Reference Substance worksheet for more details		Pigment, dyes, colorants	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	Textiles and Leather	0.003% by weight of the finished textile/leather product	Material	Mandatory	Mass percent of material	2010-04-02	2016-03-28	
00005		Beryllium Oxide		1304-56-9	BeO	Ceramics	Criteria 3: For Information Only	(Guidance) ECTA, CECEC and EERA Joint Position - Guidance on implementing article 11 of Directive 2002/96/EC concerning information for treatment facilities	All	0.1 mass%	Product	Optional	Mass percent	2010-04-02	2016-03-28	
00007		Boric acid	Additional substance description: EC No. 233-139-2 and EC No. 234-343-4	10043-35-3; 11113-50-1	HSBO3	In wood veneers/ pressed wooden panels as starch additive, flame retardant and stabilizer in aminoplastic resin, wood preservative, as flame retardant in wood, cotton and other plant derived material	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2011-10-14	2018-01-15	
00008	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Flame retardant in printed wiring board laminate	Criteria 3: For Information Only	(Standard) IEC 61249-2-21; (Standard) IPC-4101	Printed wiring board laminate	0.09 mass% total bromine content in laminate	Material	Optional	Mass percent of total bromine content in laminate	2010-04-02	2016-03-28	
00009	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Flame retardant for housing, connectors, package molding sealing	Criteria 3: For Information Only	(Standard) JEDEC JS709	Plastic materials except printed wiring board laminates	0.1 mass% of bromine in plastic materials	Material	Optional	Mass percent of bromine in plastic materials	2011-10-14	2016-03-28	
00010	Cadmium/Cadmium compounds	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Pigments, anti-corrosion surface treatments, optical glasses, heat stabilizers, plating, fluorescent materials, electrodes, low melting solders, electric contacts, zinc plating, photoelectric applications, phosphor coatings, bearing alloys	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; (China) Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; (Japan) Law for the Promotion of Effective Utilization of Resources; [EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	All, except batteries	0.01 mass% of total Cd in homogeneous material	Material	Mandatory	Mass percent of total cadmium in homogeneous material	2010-04-02	2020-06-25	
00011	Cadmium/Cadmium compounds	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Relay contact; phodiocide voltaic cell, Ni/Cd battery	Criteria 1: Currently Regulated	[EU] Battery Directive 2006/66/EC; (Korea (the Republic of)) Quality Management and Manufactured Product Safety Management Law (Battery Regulation)	Batteries	0.001% by weight of battery	Product Part	Mandatory	Mass percent	2010-04-02	2016-03-28	
00166	Cadmium/Cadmium compounds	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Pigments, anti-corrosion surface treatments, optical glass, heat stabilizers, plating, fluorescent materials, electrodes, low melting solders, electric contacts, zinc plating, photoelectric applications, phosphor coatings, bearing alloys	Criteria 1: Currently Regulated	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575	Video display devices, with a screen size of greater than four inches	0.01 mass% of total Cd in homogeneous material	Material	Mandatory	Mass percent of total cadmium in homogeneous material and total mass of all occurrences in product	2020-06-25	2020-06-25	
00012	Chromium (VI) Compounds	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Pigment, paint, ink, catalyst, plating, anticorrosion surface treatment, dye, paint dryer, surface treatment	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; (China) Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; (Japan) Law for the Promotion of Effective Utilization of Resources	All	0.1 mass% of total Cr+6 in homogeneous material	Material	Mandatory	Mass percent of total hexavalent chromium in homogeneous material	2010-04-02	2020-06-25	
00167	Chromium (VI) Compounds	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Pigment, paint, ink, catalyst, plating, anticorrosion surface treatment, dye, paint dryer, surface treatment	Criteria 1: Currently Regulated	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575	Video display devices, with a screen size of greater than four inches	0.1 mass% of total Cr+6 in homogeneous material	Material	Mandatory	Mass percent of total hexavalent chromium in homogeneous material and total mass of all occurrences in product	2020-06-25	2020-06-25	
00013		Cobalt dichloride		7646-79-9	Cobalt(2+) dichloride, Cobalt chloride, (CoCl2)	Pneumatic panels to indicate water contamination	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28	
00014	Dibutyltin (DBT) compounds	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Stabilizer for PVC, curing catalyst for silicone resin and urethane resin	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	All	0.1 mass% of tin in the part	Product Part	Mandatory	Mass percent of product part	2010-04-02	2016-03-28	
00015	Diocetyl tin (DOT) compounds	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Stabilizer for PVC, curing catalyst for silicone resin and urethane resin	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	(a) textile and leather articles intended to come into contact with the skin, (b) childcare articles, (c) two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	All	0.1 mass% of tin in the part	Product Part	Mandatory	Mass percent of product part	2010-04-02	2016-03-28
00016	Dimethylformamide (DMF)			624-49-7	DMF; Dimethyl (E)-butenedioate; 2- Butenedioic acid (2E)-, dimethyl ester	Bioicide, mold prevention treatment of electronic leather seats, including recliners, massage chairs	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII	All	0.00001 mass% of the part	Product Part	Mandatory	Mass percent	2010-04-02	2019-07-21	
00017	Disodium tetraborate, anhydrous	See Reference Substance worksheet for more details	Notes: On a scientific point of view the "anhydrous" designation is not accurate as 2 substances of this group are hydrated, but the REACH Candidate List designation is used for consistency with official publication.	See Reference Substance worksheet for more details		In wood veneers/ pressed wooden panels as starch additive, flame retardant and stabilizer in aminoplastic resin, wood preservative	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2011-10-14	2020-01-16	
00018	Fluorinated Greenhouse Gases (PFC, SF6, HFC)	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Refrigerants, blowing agents, extinguishing agents, cleaning agents, insulating media, caustic gas	Criteria 1: Currently Regulated	[EU] REGULATION (EU) No 517/2014 on fluorinated greenhouse gases	All	Intentionally Added	Product	Mandatory	Mass percent	2010-04-02	2016-03-28	
00019		Formaldehyde		50-00-0		Textiles	Criteria 1: Currently Regulated	[Austria] BGG I 1990/194; Formaldehyde Restriction §2, (2021/196), (Eurasian) Hygiene Norm HN 96:2000 (Hygiene Norms and Regulations)	Textiles	0.0075 mass % of textile	Material	Mandatory	Mass percent	2010-04-02	2016-03-28	
00020	Hexabromocyclododecane (HBCDD)	See Reference Substance worksheet for more details	Additional substance description: and all major diastereoisomers identified Notes: This declarable substance group has a complete list of substances that is specified in the reference substance list	See Reference Substance worksheet for more details	HBCDD	Flame retardant; mainly used for expanded polystyrene and some types of fiber	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation; (Japan) Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004	All	Intentionally added or 0.01 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2018-01-15	

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00021	Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	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	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	All, except batteries	0.1 mass% of total Pb in homogeneous material	Material	Mandatory	Mass percent of total lead in homogeneous material	2010-04-02	2020-06-25	
00022	Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Pigment, paint, stabilizer, colorant	Criteria 1: Currently Regulated	[USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314	Consumer products designed or intended primarily for children 12 years of age or younger	0.01 mass%	Product	Mandatory	Mass percent	2010-04-02	2016-03-28	
00023	Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Pigment, paint, stabilizer, colorant	Criteria 1: Currently Regulated	[USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314	Paint and similar surface coatings of toys and other articles intended for use by children	0.009 mass% of surface coating material	Material	Mandatory	Mass percent of surface coating material	2010-04-02	2016-03-28	
00024	Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Cables/cords	Criteria 1: Currently Regulated	[USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)	Cables/cords with thermoset or thermoplastic coatings	0.03 mass% of surface coating material	Material	Mandatory	Mass percent of surface coating material	2010-04-02	2016-03-28	
00025	Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Zinc carbon batteries, alkaline button cells	Criteria 1: Currently Regulated	[EU] Battery Directive 2006/66/EC; [China] Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries GB 24427-2009	Batteries	0.004 mass% of battery	Product Part	Mandatory	Mass percent	2010-04-02	2016-03-28	
00168	Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	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	Criteria 1: Currently Regulated	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575	Video display devices, with a screen size of greater than four inches	0.1 mass% of total Pb in homogeneous material	Material	Mandatory	Mass percent of total lead in homogeneous material and total mass of all occurrences in product	2020-06-25	2020-06-25	
00026	Lead chromate	Notes: This substance contains lead and chromium which is also subject to "RoHS" regulation which may have a more stringent reporting threshold. Manufacturers should evaluate this substance against both reporting thresholds.	7758-97-6	C.I. Pigment Yellow 34; Lead(2+) chromate; Chromic acid, (H2CrO4); lead(2+) salt (1:1)	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28	
00027	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)		12656-85-8	C.I. Pigment Red 104; lead chromate molybdate sulfate red	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28	
00028	Lead sulfochromate yellow (C.I. Pigment Yellow 34)		1344-37-2	C.I. Pigment Yellow 34; lead sulfochromate yellow	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28	
00029	Mercury/Mercury Compounds	See Reference Substance worksheet for more details	Notes: When two reporting thresholds are listed, the manufacturer needs to evaluate their products against both thresholds. Reporting is required if one or both thresholds are exceeded.	See Reference Substance worksheet for more details	Fluorescent bulb, contact point material, pigment, anti-corrosion, switches, antibacterial treatment	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII; [Canada] Products containing Mercury regulations SOR/2014-254	All, except batteries	Intentionally Added or 0.1 mass% of total Hg in homogenous material	Material	Mandatory	Mass percent of total mercury in homogenous material	2010-04-02	2020-06-25
00030	Mercury/Mercury Compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Silver-oxide button cells, alkaline batteries, zinc carbon batteries	Criteria 1: Currently Regulated	[EU] Battery Directive 2006/66/EC; [China] Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc-manganese dioxide batteries GB 24427-2009; [Taiwan (Province of China)] Restrictions on the Manufacture, Import, and Sale of Dry Cell Batteries; [Korea (the Republic of)] Quality Management and Manufactured Product Safety Management Law (Battery Regulation); [USA New York] Environmental Conservation Law, Battery management and disposal § 27-0719	Batteries	Intentionally added or 0.0001 mass% of battery	Product Part	Mandatory	Mass percent	2010-04-02	2016-03-28	
00132	Mercury/Mercury Compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Silver-oxide button cells, alkaline batteries, zinc carbon batteries	Criteria 1: Currently Regulated	[Canada] Products containing Mercury Regulations SOR/2014-254	Batteries	0.0005 mass% of total Hg in homogenous material	Material	Mandatory	Mass percent of total mercury in homogenous material	2015-07-15	2016-03-28	
00169	Mercury/Mercury Compounds	See Reference Substance worksheet for more details	Additional substance description: NA	See Reference Substance worksheet for more details	Fluorescent bulb, contact point material, pigment, anti-corrosion, switches, antibacterial treatment	Criteria 1: Currently Regulated	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575	Video display devices, with a screen size of greater than four inches	0.1 mass% of total Hg in homogeneous material	Material	Mandatory	Mass percent of total mercury in homogeneous material and total mass of all occurrences in product	2020-06-25	2020-06-25
00031	Nickel/Nickel Compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Stainless steel, plating; Example application for prolonged skin contact is an ear bud (headphone); mobile phone	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	All, where prolonged skin contact is expected	Intentionally Added	Product	Mandatory	Mass percent of product	2010-04-02	2017-09-03	
00032	Ozone Depleting Substances (CFC, Halon, HBCF, HCFC & others)	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Refrigerant, foaming agent, extinguishant, solvent cleaner	Criteria 1: Currently Regulated	[EU] Regulation on substances that deplete the ozone layer (EC) No. 1005/2009; [Japan] Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures; [USA] Clean Air Act (Treaty) Montreal Protocol on Substances that Deplete the Ozone Layer	All	Intentionally Added	Product	Mandatory	Mass percent	2010-04-02	2016-03-28	
00033	Perchlorates	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Lithium batteries; coin cell batteries	Criteria 1: Currently Regulated	[USA California] Perchlorate Contamination Prevention Act of 2003 AB 826	All	6 x 10 ⁻⁷ mass% of battery or product part	Product Part	Mandatory	Mass percent	2010-04-02	2016-03-28	
00035	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	See Reference Substance worksheet for more details	3846-71-7	UV-stabilizer in adhesives, paints, printing inks, plastics, inked ribbons, putty, caulking or sealing fillers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	All	Intentionally added or 0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28	
00036	Phthalates, Selected Group 1 (DEHP, DBP, BBP, DIBP)	See Reference Substance worksheet for more details	Notes: This declarable substance group has a complete list of substances that is specified in the reference substance list	See Reference Substance worksheet for more details	BBP, DBP, DEHP, DIBP	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII; [USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314	Children's toy or child care article	0.1 mass% as the sum of the phthalate concentrations in plasticized material	Material	Mandatory	Mass percent in plasticized material	2010-04-02	2019-07-21
00037	Phthalates, Selected Group 2 (DIDP, DINP, DNOP)	See Reference Substance worksheet for more details	Notes: This declarable substance group has a complete list of substances that is specified in the reference substance list	See Reference Substance worksheet for more details	DIDP, DINP, DNOP	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII; [USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314	Children's toy or child care article that can be placed in a child's mouth	0.1 mass% as the sum of the phthalate concentrations in plasticized material	Material	Mandatory	Mass percent in plasticized material	2010-04-02	2016-03-28
00038	Bis (2-ethylhexyl)phthalate (DEHP)	See Reference Substance worksheet for more details	117-81-7	DEHP; 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; [EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% in homogenous material	Material	Mandatory	Mass percent of homogeneous material and total mass of all occurrences in product	2010-04-02	2016-03-28	

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00039	Dibutyl phthalate (DBP)	84-74-2	DBP, 1,2-Benzenedicarboxylic acid, dibutyl ester	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; [EU] REACH Regulation (EC) No. 1907/2006	All	0.1 mass% in homogenous material	Material	Mandatory	Mass percent of homogeneous material and total mass of all occurrences in product	2010-04-02	2016-03-28	
00040	Benzyl butyl phthalate (BBP)	85-68-7	BBP, 1,3-Benzenedicarboxylic acid, butyl phenylmethyl ester	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; [EU] REACH Regulation (EC) No. 1907/2006	All	0.1 mass% in homogenous material	Material	Mandatory	Mass percent of homogeneous material and total mass of all occurrences in product	2010-04-02	2016-03-28	
00041	Diisobutyl phthalate	84-69-5	DiBP, Bis(2-methylpropyl)benzene-1,2-dicarboxylate, 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; [EU] REACH Regulation (EC) No. 1907/2006	All	0.1 mass% in homogenous material	Material	Mandatory	Mass percent of homogeneous material and total mass of all occurrences in product	2010-04-02	2016-03-28	
00042	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	DHP: C6-8-(branched)-Alkyl benzene-1,2-dicarboxylate	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2011-10-14	2016-03-28	
00043	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	Di-C7-11 (linear and branched)-alkyl phthalate	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2011-10-14	2016-03-28	
00044	Polybrominated biphenyls (PBB)	See Reference Substance worksheet for more details	PBB	Flame retardant	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products, [Japan] Law for the Promotion of Effective Utilization of Resources	All	0.1 mass% in homogenous material	Material	Mandatory	Mass percent of total PBBs in homogeneous material	2010-04-02	2019-07-21	
00045	Polybrominated diphenyl ethers (PBDE)	See Reference Substance worksheet for more details	PBDE	Flame retardant	Criteria 1: Currently Regulated	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products, [Japan] Law for the Promotion of Effective Utilization of Resources, [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	All	0.1 mass% in homogenous material	Material	Mandatory	Mass percent of total PBDEs in homogeneous material	2010-04-02	2019-07-21	
00046	Polychlorinated Biphenyls (PCBs) and specific substituents	See Reference Substance worksheet for more details	Notes: EU REACH Regulation Annex XVII applies to one or more reference substances in this Declarable Substance Group.	PCBs	Insulation oil, lubricant oil, electrical insulation medium, solvent, electrolytic solution, plasticizers, fire retardants, dielectric sealants	Criteria 1: Currently Regulated	[EU] Persistent Organic Pollutants (POP) 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.	All	Intentionally added	Product	Mandatory	Mass percent	2010-04-02	2020-01-16
00047	Polychlorinated Terphenyls (PCTs)	See Reference Substance worksheet for more details	PCTs	Insulation oil, lubricant oil, electrical insulation medium, solvent, electrolytic solution, plasticizers, fire retardants, coatings for electrical wire and cable, dielectric sealants	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	All	0.005 mass% in material	Material	Mandatory	Mass percent of material	2010-04-02	2016-03-28	
00048	Polychlorinated naphthalenes	See Reference Substance worksheet for more details	PCNs	Lubricant, paint, stabilizer (electric characteristic, flame-resistant, water-resistant) insulator, flame retardant	Criteria 1: Currently Regulated	[EU] Persistent Organic Pollutants (POP) Regulation (EC) No. 850/2004, [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	All	Intentionally added	Product	Mandatory	Mass percent	2010-04-02	2019-07-21	
00049	Radioactive substances	See Reference Substance worksheet for more details		Optical properties (thorium), measuring devices, gauges, detectors	Criteria 1: Currently Regulated	[USA] Nuclear Regulatory Commission Regulations Title 10 CFR Part 20; [Japan] Law for the Regulation of Nuclear Source Material, Nuclear Fuel Material, and Reactors; [Japan] Law Concerning Prevention from Radiation Hazards due to Radio-isotopes, etc.; [EU] Directive 2013/59/Euratom	All	Intentionally added	Product	Mandatory	Mass percent	2010-04-02	2016-03-28	
00050	Aluminosilicate Refractory Ceramic Fibres	Additional substance description: are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight		Thermal insulation for high temperature test equipment	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28	
00051	Zirconia Aluminosilicate Refractory Ceramic Fibres	Additional substance description: are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight		Thermal insulation for high temperature test equipment	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2018-01-15	

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00052	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	Short Chain Chlorinated Paraffins	Plasticizer for PVC, flame retardant	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation; [EU] Persistent Organic Pollutants (POP)s Regulation (EC) No.850/2004; (Norway) Regulations relating to restrictions on the manufacture, import, export, sale and use of chemicals and other products hazardous to health and the environment (Consumer Product Regulations) FOR-2004-06-01-922; [Switzerland] Act of Reduction of Risks in Treatment of Specified Hazardous Substances, Preparations, and Articles in Switzerland (ChemRRV) Swiss Ordinance 814.81	All	Intentionally added or 0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28
00053	Strontium chromate		7789-06-2	C.I. Pigment Yellow 32; Chromic acid (H2CrO4), strontium salt (1:1)	Pigment; corrosion resistant coating	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2011-10-14	2016-03-28
00054	Bis(tri-butyltin) oxide (TBTO)		56-35-9	TBTO, Distannousane, hexabutyl-	Antiseptic, antifungal agent, paint, pigment, anti-staining, refrigerant, foaming agent, extinguishant, solvent cleaner	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	All	Intentionally added or 0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2016-03-28
00055	Tri-substituted organostannic compounds	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details		Stabilizer, antioxidant, antibacterial and antifungal agents, antifouling, antiseptic, anti-fungal agent, paint, pigment, anti-staining	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII (Japan) Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [Norway] Regulations relating to restrictions on the manufacture, import, export, sale and use of chemicals and other products hazardous to health and the environment (Consumer Product Regulations) FOR-2004-06-01-922	All	Intentionally added or 0.1 mass% of product part in the part	Product Part	Mandatory	Mass percent of product part	2010-04-22	2016-03-28
00056	Tris(2-chloroethyl) phosphate		115-96-8	TCEP; Ethanol, 2-chloro-, phosphate (3:1)	Flame retardant	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2010-04-02	2019-07-21
00057	4-(1,1,3,3-tetramethylbutyl)phenol		140-66-9	4-(2,4,4-trimethylpentan-2-yl)phenol, Phenol, 4-(1,1,3,3-tetramethylbutyl)-	Unreacted process chemical	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-01-30	2016-03-28
00058	Bis(2-methoxyethyl) ether		111-96-6	1-methoxy-2-(2-methoxyethoxy)ethane; Ethane, 1,1'-oxybis(2-methoxy-	Electrolyte in lithium batteries	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-01-30	2016-03-28
00059	Bis(2-methoxyethyl) phthalate		117-82-8	1,2-Benzenedicarboxylic acid, 1,2-bis(2-methoxyethyl) ester	Plasticizer	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-01-30	2016-03-28
00060	Pentazinc chromate octahydroxide		49663-84-5	Zinc chromate hydroxide (Zn5(CrO4)2(OH)8)	Colorant	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-01-30	2016-03-28
00061	Potassium hydroxyoctadecylatedichromate		11103-86-9	Potassium zinc chromate hydroxide (K2Zn2CrO4)(2OH)	Paint, anti-corrosion	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-01-30	2016-03-28
00062	Chlorinated Flame Retardants (CFR)	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	CFR	flame retardant for housing, connectors, package molding sealing	Criteria 3: For Information Only	(Standard) JEDEC JS709	All	0.1 mass% chlorine in plastic materials	Material	Optional	Mass percent of chlorine in plastic materials	2013-01-30	2016-03-28
00063	Chlorinated Flame Retardants (CFR)	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details	CFR	flame retardant	Criteria 3: For Information Only	(Standard) IEC 61249-2-21; (Standard) IEC 61249-4-101	All	0.09 mass% total chlorine content in laminate	Material	Optional	Mass percent of total chlorine in laminate	2013-01-30	2016-03-28
00064	Chlorinated Flame Retardants (CFR)	See Reference Substance worksheet for more details	1163-19-5	decabromodiphenyl ether; DecaBDE; 1,1'-Dibis(4-phenylphenyl) ether (DecaBDE)	Flame retardant	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation; [USA] Toxic Substances Control Act (TSCA)	All	Intentionally added or 0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2021-04-28
00065	Sulfurous acid, lead salt, dibasic		62229-08-7	Lead(2+) hydrosulfite (2:2-); Sulfurous acid, lead salt, dibasic	Heat stabilizer for PVC, for example for wiring and cabling insulation	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00066	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)		112-49-2	TEGDME; triglyme; 2,5,8,11-tetraoxadodecane	Solvent may be used in battery electrolytes for lithium batteries. May be in found in printing inks.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00067	Trilead dioxide phosphonate		12141-20-7	Lead oxide phosphonate (Pb3O2HPO3)	Heat stabilizer for PVC, for example for wiring and cabling insulation	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00068	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		110-71-4	EGDME; 1,2-dimethoxyethane; Ethane, 1,2-dimethoxy-	Solvent used in battery electrolytes for lithium batteries. May be in found in printing inks and paint strippers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00069	4-aminoazobenzene		60-09-3	4-(Phenylazo)aniline; Benzenamine, 4-(2-phenyl)diazenyl-	Used as yellow pigment and in inks, including inks for inkjet printers. It is also used as a dye for lacquer, varnish, wax products, oil stains and styrene resins.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00070	Tetralead trioxide sulphate		12202-17-4	Lead oxide sulfate (Pb4O3)(SO4)	Heat stabilizer for PVC, for example for wiring and cabling insulation	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00071	Orange lead (lead tetroxide)		1314-41-6	lead tetroxide; Lead oxide (Pb3O4)	Used in rust-proof primer paints	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00072	Prochloro, antimony lead yellow		8012-00-8	Lead antimonate; C.I. Pigment Yellow 41	Used as yellow pigment for coloring plastics and paint	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00073	Pentalead tetraoxide sulphate		12065-90-6	Lead oxide sulfate (Pb5O4)(SO4)	Heat stabilizer for plastics; for example, non-transparent PVC	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00074	1,2-diethoxyethane		629-14-1	Ethane, 1,2-diethoxy-	Solvent used in electrolytes for lithium batteries	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00075	Diboron trioxide		1303-86-2	Boron oxide (B2O3)	Found in wood veneers, glassfiber optics, and ceramics - for industrial applications	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00076	Dibutyltin dichloride (DBTC)		683-18-1	DBTC; Stannane, dibutyl(dichloro)-	Used as stabilizer for PVC and as heat stabilizer for PVC	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00077	Lead cyanamide		20837-86-9	Lead(2+) cyanamide; Cyanamide, lead(2+) salt (1:1)	Used in anticorrosion coatings e.g. steel articles	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00078	N,N-dimethylformamide		68-12-2	DMF; Formamide, N,N-dimethyl-	Used as electrolyte in electrolytic capacitors rated for low temperature use to -55C. Used in UV emitting light bulbs and lamps	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00079	Silicic acid (H2SiO2), barium salt (1:1), lead-doped	Additional substance description: With lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (SDS), the substance is a member of the group entry of lead compounds, with index number 082-001-03-6 in Regulation (EC) No 1272/2008	68784-75-8	Barium silicate, lead-doped		Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2018-01-15
00080	1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear		84777-06-0	bis-C5-alkyl-(linear and branched)phthalate	Plasticizer in plastic materials in specialist applications, for example where high solvating plasticizers and stain resistance are required	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2019-07-21

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00081	Diisopentyl phthalate		605-50-5	Bis(3-methylbutyl) phthalate; 1,2-Benzenedicarboxylic acid, 1,2-bis(methylbutyl) ester	Plasticizer in plastic materials in specialist applications, for example where high solvating plasticizers and stain resistance are required	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2019-07-21
00082	n-pentyl-isopentylphthalate		776297-69-9	n-pentyl-isopentyl phthalate; 1,2-Benzenedicarboxylic acid, 1-(3-methylbutyl) 2-pentyl ester	Plasticizer in plastic materials in specialist applications, for example where high solvating plasticizers and stain resistance are required	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00083	Lead titanium dioxide		12060-00-3	C.I. Pigment Yellow 47; Lead titanium oxide (PbTiO3)	In piezoelectric components, ultrasound transducers, gas igniters, ultrasonic motors, ceramic capacitors and other electronic components that use piezoelectric materials	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00084	Lead titanium zirconium oxide		12626-81-2	PZT; Lead titanium zirconium trioxide; Lead titanium zirconium oxide (Pb(Ti,Zr)O3)	In piezoelectric components, ultrasound transducers, gas igniters, ultrasonic motors, ceramic capacitors and other electronic components that use piezoelectric materials	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00085	Lead oxide sulfate		12036-76-9	Dilead oxide sulphate; Lead oxide sulfate (Pb2O(SO4))	Heat stabilizer for PVC used for wiring and cabling insulation.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00086	[Pb(hatatoz-)]dioxotrilead		69011-06-9	Lead, [1,2-benzenedicarboxylato(2-)]dioxo-	Heat stabilizer for plastics, for example for wiring and cabling insulation.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00087	Dioxabis(stearato)trilead		12578-12-0	Octadecanoic acid, lead complex; Lead, bis(octadecanoato)stearo-	Heat stabilizer for plastics, for example for wiring and cabling insulation.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00088	Fatty acids, C16-18, lead salts		91031-62-8	C16-18 (even numbered)-fatty acids, lead salts	Heat stabilizer for plastics, for example for wiring and cabling insulation.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00089	Lead dinitrate		10099-74-8	Lead(2+) dinitrate; Nitric acid, lead(2+) salt (2:1)	Heat stabilizer in nylon and polyesters; also used as a coating on causer for photo thermoarab.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00090	Di-isopentyl phthalate (DIDP)		68515-49-1; 26761-40-0	DIDP; 1,2-Benzenedicarboxylic acid, di-(2,3-11-branchd alkyl) esters, C10-ric10; 1,2-Benzenedicarboxylic acid, 1,2-diisooctyl ester	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Criteria 1: Currently Regulated	[USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)	All	Intentionally added	Product	Mandatory	Mass percent	2013-06-10	2016-03-28
00091	Di-n-hexyl phthalate (DnHP)		84-75-3	DnHP; Dihexyl phthalate; 1,2-Benzenedicarboxylic acid, 1,2-dihexyl ester	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation; [USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)	All	Intentionally added or 0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-06-10	2016-03-28
00092	Hexahydroxymethylphthalic anhydride	See Reference Substance worksheet for more details		Additional substance description: including cis and trans- stereo isomeric forms and all possible combinations of the isomers Notes: This declarable substance group has a complete list of substances that is specified in the reference substance list	See Reference Substance worksheet for more details	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-09-25	2018-01-15
00093	Cadmium		7440-43-9		Pigments, anti-corrosion surface treatments, optical glass, heat stabilizers, plating, fluorescent materials, electrodes, low melting solders, electric contacts, zinc plating, photoelectric applications, phosphor coatings, betastron allows Pkley contact (photodiode voltaic cell, Ni/Cd battery)	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-09-25	2016-03-28
00094	Cadmium oxide		1306-19-0	cadmium oxide (CdO)		Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-09-25	2016-03-28
00095	Dipentyl phthalate (DPP)		131-18-0	DPP; 1,2-Benzenedicarboxylic acid, 1,2-dipentyl ester	Plasticizer in PVC and nitrocellulose resin and rubber; in gunpowder, toys, cosmetics, medical devices	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-09-25	2016-03-28
00096	Pentadecafluorooctanoic acid (PFOA)		335-67-1	PFOA; Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-	PFOA is used as an emulsion stabilizer to manufacture polyvinylidene fluoride (PVDF) and other fluorinated polymers and elastomers and can be found in concentrations up to 1% w/w in these plastics.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-09-25	2016-03-28
00097	Ammonium pentadecafluorooctanoate (APFO)		3825-26-1	APFO; Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ammonium salt (1:1)	APFO is used as an emulsion stabilizer to manufacture polyvinylidene fluoride (PVDF) and other fluorinated polymers and elastomers and can be found in concentrations up to 1% w/w in these plastics.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-09-25	2016-03-28
00098	4-Nonylphenol, branched and linear, ethoxylated	See Reference Substance worksheet for more details		Additional substance description: Substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof	See Reference Substance worksheet for more details	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2013-09-25	2018-01-15
00099	Cadmium sulphide		1306-23-6	Cadmium sulfide (CdS)	Used in photo-resistors, solar cells and piezoelectric transducers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2014-04-09	2016-03-28
00100	Triisyl phosphate		25155-23-1	Phenol, dimethyl-, 1,1',1"-phosphate	Used as a plasticizer for vinyl resin, cellulose resin, natural and synthetic rubber. Also, used as a flame retardant.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2014-04-09	2016-03-28
00102	Disodium 3,3'-[1,1'-biphenyl]-4,4'-diylbis[caro]bis[4-(4-aminophenyl)ene-1-sulphonate] (C.I. Direct Red 28)		573-58-0	C.I. Direct Red 28; Disodium 4-amino-3-[[4-(4-aminophenyl)sulfonatophenyl]ene-2-yl]disazeny]phenyl]disazeny]phenyl]aphthalene-1-sulfonate; 1-Naphthalenesulfonic acid, 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(2,1-disazeny]bis[4-amine-sodium salt (1:2)	Dye for textiles and paper	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2014-04-09	2016-03-28
00105	Imidazolidine-2-thione (2-imidazolidinethione)		96-45-7	2-imidazolidine-2-thion; 2-imidazolidinethione	used as a catalyst in some acrylic adhesive glues which may be used in adhesive tapes (for example, double sided adhesive tapes which may be used to hold the back-light in place in mobile phones)	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2014-04-09	2019-07-21
00106	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		68515-50-4	1,2-Benzenedicarboxylic acid, 1,2-dihexyl ester, branched and linear	Used as a plasticizer for certain plastics and rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2014-09-24	2016-03-28
00107	Diisononyl phthalate (DINP)		28553-12-0; 68515-48-0	DINP	Used as a plasticizer for PVC	Criteria 1: Currently Regulated	[USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)	All	Intentionally added	Product	Mandatory	Mass percent	2014-09-24	2016-03-28
00108	Benz[a]pyrene (BaP)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	50-32-8	BaP; Benz[aj]fchrysene	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	All	0.0001 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21

BLACK AND GREY LISTS OF CHEMICAL SUBSTANCES, APPENDIX 1 REACH
Substances on European REACH (ref. IEC62474 List of declarable substances)

00109	Benzofelprylene (BeP)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	192-97-2	BeP	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00110	Benzofelanthracene (BaA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	56-55-3	BaA, Benz[<i>a</i>]anthracene	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00111	Chrysen (CHR)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	218-01-9	CHR, chrysene	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00112	Benzofluoranthene (BbFA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	205-99-2	BbFA	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00113	Benzofluoranthene (BjFA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	205-62-3	BjFA	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00114	Benzofluoranthene (BkFA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	207-08-9	BkFA	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00115	Dibenzofluoranthene (DBaA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	53-70-3	DBaA	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00116	Benzofelprylene (BaP)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	50-32-8	BaP, Benz[<i>a</i>]pyrene	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00117	Benzofelprylene (BeP)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	192-97-2	BeP	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00118	Benzofelanthracene (BaA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	56-55-3	BaA, Benz[<i>a</i>]anthracene	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00119	Chrysen (CHR)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	218-01-9	CHR, chrysene	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00120	Benzofluoranthene (BbFA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	205-99-2	BbFA	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00121	Benzofluoranthene (BjFA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	205-62-3	BjFA	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00122	Benzofluoranthene (BkFA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	207-08-9	BkFA	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00123	Dibenzofluoranthene (DBaA)	Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	53-70-3	DBaA	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	Material	Mandatory	Mass percent of material	2014-09-24	2019-07-21
00124	Perfluorooctane sulfonates (PFOS)	See Reference Substance worksheet for more details		PFOS	Antistatic agent for films and plastics	Criteria 1: Currently Regulated	[EU] Persistent Organic Pollutants (POP)s Regulation (EC) No. 850/2004; [Canada] Prohibition of Certain Toxic Substances Regulations SOR/2012-285 and its amendment; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Textiles or other coated materials.	Intentionally added or 1 microgram/m ² of coated material	Material	Mandatory	Mass percent and surface area of material	2014-09-24	2016-03-28
00125	Perfluorooctane sulfonates (PFOS)	See Reference Substance worksheet for more details		PFOS	Antistatic agent for films and plastics	Criteria 1: Currently Regulated	[EU] Persistent Organic Pollutants (POP)s Regulation (EC) No. 850/2004; [Canada] Prohibition of Certain Toxic Substances Regulations SOR/2012-285 and its amendment; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	All except textiles or other coated materials.	Intentionally added or 0.1 mass% of the part (as the sum of PFOS)	Material	Mandatory	Mass percent and surface area of material	2014-09-24	2016-03-28
00126	Disodium 4-amino-3-[[4-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)pyridine-2,7-disulphonate (C.I. Direct Black 38)		1937-37-7	C.I. Direct Black 38; 2,7-Naphthalenedisulfonic acid, 4-amino-3-[[4-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(2-phenyl)diarynyl-, sodium salt (1:2)	Used in ink for printers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2014-09-24	2016-03-28
00128	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		15571-58-1	DOTE; 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dioctyl-7-oxo-, 2-ethylhexyl ester	PVC stabilizer	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2015-04-08	2016-03-28
00129	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[[2-(2-ethylhexyloxy)2-oxoethyl]thio]-4-oxyl]-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)			reaction mass of DOTE and MOTE	PVC stabilizer	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2015-04-08	2016-03-28
00130	2-(2H-benzotriazol-2-yl)-4,6-dibenzylphenol (UV-328)		25973-55-1	UV-328; 2-(2H-benzotriazol-2-yl)-4,6-bis(2-methylbutan-2-yl)phenol; Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-	UV stabilizer	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2015-04-08	2016-03-28
00131	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	Additional substance description: With ≥ 0.3% of dihexyl phthalate (EC No. 2011-559-5)	68515-51-, 68648-93-1	Di-C6-10 alkyl phthalate; Di-C6-10 (even numbered) alkyl phthalate; 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	Plasticisers, lubricants, adhesives, coatings, cable compounding, polymer foils, PVC compound coatings, paints, thinners, paint removers, fillers, putties, plasters, ink and toners, greases, release products, polymer preparations and compounds, and semiconductors	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2015-07-15	2018-01-15
00133	1,3-propanesultone		1120-71-4	1,2-oxathiolane 2,2-dioxide; 1,2-oxathiolane, 2,2-dioxide	Electrolyte fluid of rechargeable lithium ion batteries	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2015-12-17	2016-03-28
00134	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)		3864-99-1	UV-327; 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(2-methylpropyl)phenol; Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-	UV stabilizer	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2015-12-17	2016-03-28
00135	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)		36437-37-3	UV-350; 2-(2H-benzotriazol-2-yl)-6-(sec-butyl)-4-(tert-butyl)phenol; phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)-	UV stabilizer	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2015-12-17	2016-03-28

BLACK AND GREY LISTS OF CHEMICAL SUBSTANCES, APPENDIX 1 REACH
Substances on European REACH (ref. IEC62474 List of declarable substances)

00140	Perfluorononan-1-ic-acid and its sodium and ammonium salts	See Reference Substance worksheet for more details	Notes: This declarable substance group has a complete list of substances that is specified in the reference substance list	See Reference Substance worksheet for more details	Surfactant in the production of the fluoropolymer polyvinylidene fluoride (PVDF)	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2015-12-17	2016-06-23
00138	Benzofluoranthene (Benzofluoranthene)		Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	50-32-8	Benzofluoranthene; BaP	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2016-06-23	2020-01-16
00141	4,4'-isopropylidenediphenol		Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	80-05-7	BPA; Bisphenol A; 4,4'-propane-2,2'-diylidenebis[phenol]; 4,4'-(1-methylethylidene)bis-	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	Intentionally added or 0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2017-01-12	2018-01-15
00142	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	See Reference Substance worksheet for more details	Notes: This declarable substance group has a complete list of substances that is specified in the reference substance list	See Reference Substance worksheet for more details	PFDA	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2017-01-12	2017-01-12
00143	Perfluorohexane-1-sulphonic acid and its salts	See Reference Substance worksheet for more details	Notes: This reference substance list provides examples and may not be a complete list as specified in the regulation or standard indicated in the Basis/Description field of the DSJ entry. ECHA has identified additional substances that are part of the declarable substance group	See Reference Substance worksheet for more details	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.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2017-09-03	2017-09-03
00144	Chrysene		Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	218-01-9	CHR	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-01-15	2020-01-16
00145	Benzofluoranthene		Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	56-55-3	BaA; Benzofluoranthene	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-01-15	2020-01-16
00146	Cadmium hydroxide			21041-95-2	Cadmium dihydroxide	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-01-15	2018-01-15
00147	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02.13.05.10]octalene-7,15-diene ("Dechlorane Plus™")	See Reference Substance worksheet for more details	Additional substance description: Covering any of its individual anti- and syn-isomers or any combination thereof. Notes: 1. This declarable substance group has a complete list of substances that is specified in the reference substance list covering any of its individual anti- and syn-isomers or any combination thereof; 2. Dechlorane Plus is a trademarked name that is used here because this trademarked name has been directly referenced by a Government Authority in a substance restriction regulation. IEC is not endorsing the use or restriction of this trade-named product.	See Reference Substance worksheet for more details	Dechlorane Plus™; 1,4,7,10-Dimethanonodibenzofluorocyclooctene; 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-dodecalhydro-	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-01-15	2018-04-05
00148	Benzofluoranthene		Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	191-24-2	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-07-08	2020-01-16
00149	Octamethylcyclotetrasiloxane			556-67-2	D4; Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl-	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-07-08	2018-07-08
00150	Decamethylcyclopentasiloxane			541-02-6	D5; Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-07-08	2018-07-08
00151	Dodecamethylcyclotetrasiloxane			540-97-6	D6; Cyclotetrasiloxane, 2,2,4,4,6,6,8,8,10,10,12,12-dodecamethyl-	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-07-08	2018-07-08
00152	Disodium octaborate			12008-41-2	Boron sodium oxide (B8Na2O13)	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-07-08	2018-07-08
00153	Terphenyl, hydrogenated			61788-32-7	Plasticizers, sealants, epoxy adhesives, paints and heat sinks	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-07-08	2018-07-08
00154	Lead			7439-92-1	Steel, aluminum and copper alloys, lead acid batteries, solder and other applications	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-07-08	2018-07-08
00139	Dicyclohexyl phthalate			84-61-7	DCHP; 1,2-benzenedicarboxylic acid, 1,2-dicyclohexyl ester	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2018-07-08	2018-07-08
00155	2,2-bis[4-(hydroxyphenyl)-4-methylpropane]			6807-17-6	4[2-(4-hydroxyphenyl)-4-methylpentan-2-yl]phenol	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2019-01-15	2019-01-15
00156	Benzofluoranthene		Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	207-08-9	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2019-01-15	2019-01-15
00157	Fluoranthene		Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	206-44-0	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2019-01-15	2020-01-16
00158	Phenanthrene		Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	85-01-8	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2019-01-15	2019-01-15
00159	Pyrene		Notes: This declarable substance is a polycyclic aromatic hydrocarbon (PAH)	129-00-0	Impurities in carbon black, which is used as coloring agent in plastics and softener in rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2019-01-15	2020-01-16
00160	Perfluorooctanoic acid and its salts	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details	PFDA	Criteria 1: Currently Regulated	[EU] Persistent Organic Pollutants (POP) Regulation (EU) 2019/1021, [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [Korea (the Republic of)] Persistent Organic Pollutants Control Act	All	Intentionally added or 0.000025 mass% of PFDA including its salts in article or mixture	Article, Mixture	Mandatory	Mass percent of article or mixture	2019-07-21	2022-01-17

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00161	PFOA-related compounds	See Reference Substance worksheet for more details	Additional substance description: PFOA-related compounds which, for the purposes of the Convention are any substances that degrade to PFOA, including any substances (including salts and polymers) having a linear or branched perfluorohexyl group with the moiety (C7F15)C as one of the structural elements. The following compounds are not included as PFOA-related compounds: - C8F17-X, where X = F, Cl, Br; - fluoropolymers that are covered by CF3(CF2)n-R, where R = any group, n >= 16; - perfluoroalkyl carboxylic acids (including their salts, esters, halides and anhydrides) with >= 8 perfluorinated carbons; - perfluoroalkane sulfonic acids and perfluoro phosphonic acids (including their salts, esters, halides and anhydrides) with >= 9 perfluorinated carbons; - perfluorooctane sulfonic acid and its derivatives (PFOS), as listed in Part A of Annex I of Regulation (EU) 2019/1021.	See Reference Substance worksheet for more details	PFOA	Greases, textiles and other coated consumer products, and emulsifiers used for manufacturing the Fluoropolymers and fluorocopolymers	Criteria 1: Currently Regulated	[EU] Persistent Organic Pollutants (POP)s Regulation (EU) 2019/1021; (Korea (the Republic of)) Persistent Organic Pollutants Control Act	All	Intentionally added or 0.0001 mass% of one or a combination of PFOA-related compounds, in article or mixture	Article, Mixture	Mandatory	Mass percent of article or mixture	2019-07-21	2022-01-17
00162	Tri(4-nonylphenyl, branched and linear) phosphite (TNPP) with >= 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	See Reference Substance worksheet for more details	Additional substance description: TNPP only with >= 0.1% w/w of 4-nonylphenol, branched and linear (4-NP). Notes: This reference substance list provides examples and may not be a complete list as specified in the regulation or standard indicated in the BasisDescription field of the DSL entry.	See Reference Substance worksheet for more details	TNPP	stabilizer and antioxidant in the processing of various plastic materials such as PVC, Polyolefines or rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2019-07-21	2019-07-21
00163	Tetraboron disodium heptaoxide, hydrate		12267-73-1			In wood veneers/ pressed wooden panels as starch additive, flame retardant and stabilizer in aminoplastic resin, wood preservative	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2020-01-16	2020-01-16
00164	Diisobutyl phthalate		71850-09-4			Used as a plasticizer for certain plastics and rubbers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2020-01-16	2020-01-16
00165	Perfluorobutane sulfonic acid (PFBS) and its salts	See Reference Substance worksheet for more details	Notes: This reference substance provides examples and may not be a complete list as specified in the regulation or standard indicated in the BasisDescription field of the DSL entry.	See Reference Substance worksheet for more details	PFBS	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. May be used as a flame retardant agent for polycarbonate and as an anti-static additive.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2020-01-16	2020-01-16
00170	Dibutyl(bis(pentane-2,4-dionato-O,O')in		22673-19-4			Used as biocides and as stabilizers in plastics. Used also as a catalyst and in the manufacturing of adhesives, sealants, coatings, dyes, polymer preparations, resins and rubber. Can be found in supplied articles.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2020-06-25	2020-06-25
00171	Halogenated Flame Retardants	See Reference Substance worksheet for more details	Note: Commission Regulation (EU) 2019/2021 defines "flame retardant" means a substance that markedly retards the propagation of a flame.	See Reference Substance worksheet for more details		Flame retardant in electronic displays	Criteria 1: Currently Regulated	[EU] Commission Regulation (EU) 2019/2021 laying down ecodesign requirements for electronic displays	enclosure and stand of electronic displays, including televisions, monitors and digital signage displays with a screen area greater than 100 square centimetres	Intentionally added	Product	Mandatory	Mass percent	2021-01-19	2021-01-19
00172	Bis[2-(2-methoxyethoxy)ethyl]ether		143-24-8		Tetra glyme; Tetraethylene glycol dimethyl ether, TetraEGDME; 2,5,8,11,14-pentaoxabenzadecane	Solvent in electrolyte in lithium-ion batteries, solvent in other manufacturing process (example: solder flux).	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2021-01-19	2021-01-19
00173	Dioctyltin dilaurate, stannane, dioctyl bis(isooctyl acyloxy) deriva, and any other stannane, dioctyl-, bis(fatty acyloxy) deriva, wherein C12 is the predominant carbon number of the fatty acyloxy moiety	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		Stabilisers and catalysts in the production of e.g. plastics and rubber. Used for the manufacture of the following article categories: plastic products; fabrics, textiles, apparel, and leather. Professional application of coatings and inks.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2021-01-19	2021-01-19
00174	Phend, Isopropylated Phosphate (3:1) (PP (3:1))		68937-41-7		PIP (3:1)	Flame retardant and/or plasticizer in polymers such as flexible polyurethane foam and PVC, lubricant, hydraulic fluid, adhesives and sealants. Examples: gasket, wire sleeve, tape.	Criteria 1: Currently Regulated	[USA] Toxic Substances Control Act (TSCA)	All	Intentionally added	Product	Mandatory	Mass percent	2021-04-28	2021-04-28
00175	Cobalt/Cobalt compounds					Batteries	Criteria 1: Currently Regulated	[EU] Ecodesign requirements (EU) 2021/341 and (EU) 2019/424 pursuant to Directive 2009/125/EC	batteries used in computer servers and online data storage products	Intentionally Added	Product Part	Mandatory	Responder may report actual amount or in three defined ranges as described below: if mass of cobalt in a battery is less than 5g - then report mass =0 with +mass tolerance = 4.9g if mass of cobalt in a battery is between 5g and 25g - then report mass =5g with +mass tolerance = 20.00g if mass of cobalt in a battery is greater than 25g - then report mass =25.01g (Note: 25.01 indicates that the actual mass may be any number greater than 25)	2021-07-16	2021-07-16
00176	Neodymium/Neodymium compounds					HDDs (Hard Disk Drives)	Criteria 1: Currently Regulated	[EU] Ecodesign requirements (EU) 2021/341 and (EU) 2019/424 pursuant to Directive 2009/125/EC	HDDs used in computer servers and online data storage products	Intentionally Added	Product Part	Mandatory	Responder may report actual amount or in three defined ranges as described below: if mass of neodymium in the HDD is less than 5g - then report mass =0 with +mass tolerance = 5g if mass of neodymium in the HDD is between 5g and 25g - then report mass =5g with +mass tolerance = 20g if mass of neodymium in the HDD is greater than 25g - then report mass =25.01g (Note: 25.01 indicates that the actual mass may be any number greater than 25)	2021-07-16	2021-07-16
00177	4,4'-(1-methylpropylidene)bisphenol		77-40-7		Bisphenol B; BPB	Antioxidant for plasticizer and PVC, ink, paint and adhesive; used as monomer in epoxy resins and plastics	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2021-07-16	2021-07-16
00178	Medium-chain chlorinated paraffins (MCCP)	See Reference Substance worksheet for more details	Additional substance description: UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17	See Reference Substance worksheet for more details	MCCP	Flame retardant and / or plasticizer in PVC and rubber, paints and coatings, adhesives and sealants, textiles and fabric	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2021-07-16	2021-07-16

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00179	orthoboric acid, sodium salt	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details		As flame retardant/adhesive ingredients for wood, paper, cotton and other plant-derived materials;	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2021-07-16	2021-07-16
00180	4-Nonylphenol, branched and linear	See Reference Substance worksheet for more details	substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	See Reference Substance worksheet for more details	4-Nonylphenol	Paint, glues and polymers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass	2022-01-17	2022-01-17
00181	6,6'-di-tert-butyl-2,2'-methylene-dip-cresol			119-47-1	DBMC	Adhesives, sealants, lubricants, greases, hydraulic fluids, metal working, antioxidants/stabilizer for rubber and plastics	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass	2022-01-17	2022-01-17
00182	C9-C14 PFCAs and their salts	See Reference Substance worksheet for more details	See Comments for more details	See Reference Substance worksheet for more details		Greases, textiles and other coated products, and emulsifiers used for manufacturing the Fluoropolymers and Fluoroelastomers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	All	0.0000025 mass% for the sum of C9- Article, Mixture	Article, Mixture	Mandatory	Mass percent of article or mixture	2022-07-15	2023-01-17
00183	C9-C14 PFCA-related substances	See Reference Substance worksheet for more details	See Comments for more details	See Reference Substance worksheet for more details		Greases, textiles and other coated products, and emulsifiers used for manufacturing the Fluoropolymers and Fluoroelastomers	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	All	0.000026 mass% for the sum of C9- Article, Mixture	Article, Mixture	Mandatory	Mass percent of article or mixture	2022-07-15	2023-01-17
00184	1,1'-[ethane-1,2-diylbis(oxy)bis[2,4,6-tribromobenzene]]			37853-59-1	BTBPE	Additive flame retardant in ABS, PC resins, coatings	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2023-01-17	2023-01-17
00185	2,2',6,6'-tetrabromo-4,4'-isopropylidenebisphenol			79-94-7	TBBPA, Tetrabromobisphenol-A	Additive and reactive flame retardant in epoxy resins (printed circuit boards), ABS	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2023-01-17	2023-01-17
00186	4,4'-sulphonyldiphenol			80-09-1	bisphenol S, BPS	Manufacture of pulp, paper and paper products, textile, epoxy glues, Substitute for BPA	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2023-01-17	2023-01-17
00187	Barium diboron tetroxide			13701-59-2	Barium borate	Used in paints and coatings and in some ceramic electronic components	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2023-01-17	2023-01-17
00188	Bis(2-ethylhexyl) tetrabromophthalate	See Reference Substance worksheet for more details	Additional substance group description: covering any of the individual isomers and/or combinations thereof	See Reference Substance worksheet for more details	TBPH; BEHTP; BEH-TEDP	Used as an additive flame retardant and as a plasticiser for flexible polyvinylchloride and for use in wire and cable insulation, film and sheeting, carpet backing, coated fabrics, wall coverings, sealants and adhesives	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2023-01-17	2023-01-17
00189	Isobutyl 4-hydroxybenzoate			4247-02-3	isobutylparaben	Used in the manufacture of substances and in coating products, fillers, putties, plasters, modelling clay, and inks and toners. Used as an anti-microbial agent	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2023-01-17	2023-01-17
00190	Melamine	IUPAC name is: 2,4,6-Triamino-1,3,5-triazin		108-78-1	2,4,6-Triamino-1,3,5-triazin	A monomer combined with formaldehyde and other agents to produce melamine resins. Used as an intermediate chemical for the production of flame retardants and as flame retardant itself. Used in coatings and inks.	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2023-01-17	2023-01-17
00191	Perfluoroheptanoic acid and its salts	See Reference Substance worksheet for more details		See Reference Substance worksheet for more details	PFHpA	Greases, textiles and other coated products, and emulsifiers used for manufacturing the Fluoropolymers and Fluoroelastomers. Used as a stain or water repellent	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2023-01-17	2023-01-17
00192	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3,3-heptafluoropropan-2-yl)phosphorothioic acid and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)phosphorothioic acid	EC number: 473-390-7				Heat transfer fluid	Criteria 1: Currently Regulated	[EU] REACH Regulation (EC) No. 1907/2006 Candidate List for Authorisation	All	0.1 mass% of article	Article	Mandatory	Mass percent of article and total mass of all occurrences in product	2023-01-17	2023-01-17
00193	Per- and poly-fluoroalkyl substances (PFAS)	Please see Reference Substance List (RSL) for more details	substances that include any member of the class of fluorinated organic chemicals containing at least one fully fluorinated carbon atom			Coatings for electronic components, wires and cables; plastics; adhesives; lubricants; membranes; elastomers; gaskets; cleaning chemicals; photolithography; insulation material; and flame retardants	Criteria 1: Currently Regulated	[USA Maine] Maine Public Law, Chapter 447 (LD 1503, 2021) PFAS regulation	All	Intentionally added	Material	Mandatory	Mass percent of material	2023-01-17	2023-01-17