

(restricted/banned substances in subassemblies, parts, materials, components, batteries, merchandise and packaging) (beschränkte/verbotene Substanzen in Baugruppen, Teilen, Materialien, Komponenten, Batterien, Waren und Verpackungen)						
Baumer Ref.No.	Substance / Substanz	CAS Number / CAS-Nummer	Threshold Limit / Grenzwert	Examples/Use	Beispiele/Verwendung	
<b>RoHS</b>						
109	Butyl benzyl phthalate (BBP)	85-68-7	0.1% (1000ppm) w/w	packing films, rubber (Buna-n or NBR, SBR) sealants, polyurethane foam, adhesives, paints, lacquers, vinyl resins, Phthalate plasticizers, PVC materials (cables, wire insulation)	Verpackungsfolien, Dichtungsmassen aus Gummi (Buna-n oder NBR, SBR), Polyurethanschäum, Klebstoffe, Farben, Lacke, Vinylharze, Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)	
108	Di-(2-ethylhexyl) phthalate (DEHP) Synonyms: Bis(2-ethylhexyl) phthalate; Di-iso-octyl phthalate	117-81-7	0.1% (1000ppm) w/w	flexible PVC (cables, wire insulation), inks, lacquers, glues	flexibles PVC (Kabel, Drahtisolierung), Farben, Lacke, Leime	
110	Dibutyl phthalate (DBP) Synonyms: o-Benzenedicarboxylic acid dibutyl ester; Dibutyl 1,2-benzenedicarboxylate	84-74-2	0.1% (1000ppm) w/w	PVC cables and wiring insulation, rubber (neoprene) and nitrile rubber, PVA adhesives, Nitrocellulose lacquers, printing inks, sealants, film coatings and glass fibres, glues	PVC-Kabel und Kabelisolierung, Gummi (Neopren) und Nitrilkautschuk, PVA-Klebstoffe, Nitrocellulose-Lacke, Druckfarben, Dichtungsmassen, Filmbeschichtungen und Glasfasern, Klebstoffe	
111	Diisobutyl phthalate (DIBP)	84-69-5	0.1% (1000ppm) w/w	PVC in paints, printing inks and adhesives, vinyl resin, rubber (Buna-n or NBR, SBR) in sealings	PVC in Farben, Druckfarben und Klebstoffen, Vinylharz, Gummi (Buna-n oder NBR, SBR) in Dichtungen	
104	Cadmium and its compounds (Cd)	7440-43-9	0.01% (100ppm) w/w	pigments in plastics, ceramics: buttons or housings including PA and ABS, in PVC, Batteries (NiCd), semiconductors: CdSe, CdS, CdTe, Cd3P2, Cd2As2, Cd3Sb2 are used as photosensitive compounds, plating on steel and aluminium, Plugs, contacts and switches, filters (for colouring glass)	Pigmente in Kunststoffen, Keramik: Knöpfe oder Gehäuse einschließlich PA und ABS, in PVC, Batterien (NiCd), Halbleiter: CdSe, CdS, CdTe, Cd3P2, Cd2As2, Cd3Sb2 werden als lichtempfindliche Verbindungen verwendet, Plattierung auf Stahl und Aluminium, Stecker, Kontakte und Schalter, Filter (zum Einfärben von Glas)	
132	Cadmium oxide (Cd)	1306-19-0	0.01% (100ppm) w/w	power switching contacts, relays	Stromschaltkontakte, Relais	
105	Hexavalent Chromium Cr(VI) Synonyms: Chromates; Dichromates	-	0.1% (1000ppm) w/w	lead chromate pigments (give yellow, red and orange colours), hard chrome plating, decorative chrome plating, chromate passive coatings: fasteners (screws, nuts, bolts), electrical contacts, brackets, chassis, stand-offs and rails, zinc coatings, aluminium coatings, copper coating electronic equipment (PCBs, Li-ion batteries, electromagnetic field shields)	Bleichromatpigmente (geben gelbe, rote und orange Farben), Hartverchromung, dekorative Verchromung, Passive Chromat-Beschichtungen: Befestigungselemente (Schrauben, Muttern, Bolzen), elektrische Kontakte, Halterungen, Chassis, Abstandshalter und Schienen, Zinkbeschichtungen, Aluminiumbeschichtungen, elektronische Ausrüstung für die Kupferbeschichtung (Leiterplatten, Li-Ionen-Batterien, elektromagnetische Feldabschirmungen)	
102	Lead and its compounds (Pb)	7439-92-1	0.1% (1000ppm) w/w	solder, stabilisers in PVC, connector, chip termination electroplating, lacquer, primer, paint, conformal coatings, coating wires, thread locking	Lot, Stabilisatoren in PVC, Stecker, Chip-Terminierung Galvanisierung, Lack, Grundierung, Farbe, Schutzlacke, Beschichtungsdrähte, Gewindegewand	
103	Mercury and its compounds (Hg)	7439-97-6	0.1% (1000ppm) w/w	LCD backlighting, relays	LCD-Hintergrundbeleuchtung, Relais	
106	Polybrominated biphenyls (PBB) Synonyms: di-, tetra-, hexa-, octa-, deca-bromobiphenyl	92-86-4 60044-25-9 36355-01-8 59536-65-1 27858-07-7 13654-09-6	0.1% (1000ppm) w/w	laminated PCB: epoxy, phenolic, polyamides encapsulants for electronic components: epoxy Housings: ABS, HIPS, PC, nylons, switches, sockets and connectors: PET, PBT, polyamides, wire & cable insulation: PVC, EVA, XLPE, flame retardant	Laminierte PCB: Epoxy, Phenol, Polyamide Verkapselungen für elektronische Bauteile: Epoxy Gehäuse: ABS, HIPS, PC, Nylons, Schalter, Steckdosen und Stecker: PET, PBT, Polyamide, Kabel- und Kabelisolierung: PVC, EVA, XLPE, Flammenschutzmittel	
107	Polybrominated diphenyl ethers (PBDE)	-	0.1% (1000ppm) w/w	laminated PCB: epoxy, phenolic, polyamides encapsulants for electronic components: epoxy Housings: ABS, HIPS, PC, nylons, switches, sockets and connectors: PET, PBT, polyamides, wire & cable insulation: PVC, EVA, XLPE, flame retardant	Laminierte PCB: Epoxy, Phenol, Polyamide Verkapselungen für elektronische Bauteile: Epoxy Gehäuse: ABS, HIPS, PC, Nylons, Schalter, Steckdosen und Stecker: PET, PBT, Polyamide, Kabel- und Kabelisolierung: PVC, EVA, XLPE, Flammenschutzmittel	
<b>REACH (SVHC - Candidate List / SVHC - Kandidatenliste) 27.06.2018</b>						
161	[Phthalato(2-)]dioxotrilead	69011-06-9	0.1% (1000ppm) w/w	heat stabilizers, plastic housings, PVC material, incl. Cables	Hitzebestabilisatoren, Kunststoffgehäuse, PVC-Material, inkl. Kabel	
138	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5 68648-93-1	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)	
141	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)	
144	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)	
125	1,2-bis(2-methoxyethyl) ethane	112-49-2	0.1% (1000ppm) w/w	substances used in lithium ion batteries	Substanzen, die in Lithium-Ionen-Batterien verwendet werden	
127	1,2-dithoxyethane	629-14-1	0.1% (1000ppm) w/w	substances used in lithium ion batteries	Substanzen, die in Lithium-Ionen-Batterien verwendet werden	
126	1,2-dimethoxyethane	110-71-4	0.1% (1000ppm) w/w	substances used in lithium ion batteries	Substanzen, die in Lithium-Ionen-Batterien verwendet werden	
123	1,3-propanesultone	1120-71-4	0.1% (1000ppm) w/w	substances used in lithium ion batteries	Substanzen, die in Lithium-Ionen-Batterien verwendet werden	
206	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene	13560-89-9; 135821-74-8; 135821-03-3	0.1% (1000ppm) w/w	non-plasticising flame retardant, used in adhesives and sealants and in binding agents	nicht plastifizierendes Flammenschutzmittel, verwendet in Kleb- und Dichtstoffen und in Bindemitteln	
134	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.1% (1000ppm) w/w	UV stabilizers, PUR-potting system, seals, plastics	UV-Stabilisatoren, PUR-Verguss, Dichtungen, Kunststoffe	
136	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.1% (1000ppm) w/w	UV stabilizers, PUR-potting system, seals, plastics	UV-Stabilisatoren, PUR-Verguss, Dichtungen, Kunststoffe	
117	2,2'-dichloro-4,4'-methylene dianiline	101-14-4	0.1% (1000ppm) w/w	substances used in polyurethane, cables, PUR-hardener, protection paint, PUR-foam	Stoffe für Polyurethan, Kabel, PUR-Härter, Schutzanstrich, PUR-Schaum	
135	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.1% (1000ppm) w/w	UV stabilizers, PUR-potting system, seals, plastics	UV-Stabilisatoren, PUR-Verguss, Dichtungen, Kunststoffe	
137	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.1% (1000ppm) w/w	UV stabilizers, cables, devices PET, PC, ABS	UV-Stabilisatoren, Kabel, Geräte PET, PC, ABS	
139	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)	
184	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	0.1% (1000ppm) w/w	red and yellow colorants, colour in ink jet printers, aniline yellow pigment	Rote und gelbe Farbstoffe, Farbe in Tintenstrahldruckern, Anilin-Gelbpigment	
128	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	0.1% (1000ppm) w/w	substances used in specialist paints and coating, UHU-glu, basic is polyvinylacetat	Substanzen in Speziallacken und Beschichtungen verwendet, UHU-Kleber, Polyvinylacetat basierend	
122	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.1% (1000ppm) w/w	substances used in PVDF plastic, cables (PVDF), seals, membranes, packaging films, binder in electrodes of Li-batteries	Substanzen in PVDF-Kunststoff, Kabel (PVDF), Dichtungen, Membranen, Verpackungsfolien, Bindemittel in Elektroden von Li-Batterien verwendet	
152	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)	552-30-7	0.1% (1000ppm) w/w	hardener epoxy system	Härter Epoxy-System	

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130	Benzo(a)pyrene (BaP) Synonyms: Benzo(def)chrysene; 3,4-Benzpyrene; Benzo(d,e,f)chrysene	50-32-8	0.1% (1000ppm) w/w	impurities in extender oils and black colourants, plastics, epoxy	Verunreinigungen in Extender-Ölen und schwarzen Farbstoffen, Kunststoffen, Epoxy
124	Bis(2-methoxyethyl) ether	111-96-6	0.1% (1000ppm) w/w	substances used in lithium ion batteries	Substanzen, die in Lithium-Ionen-Batterien verwendet werden
147	Bis(2-methoxyethyl) phthalate	117-82-8	0.1% (1000ppm) w/w	phthalate plasticizers, glue, cables	Phthalat Weichmacher, Kleber, Kabel
174	Bis(tri-butyltin)oxide (TBTO) Synonyms: Bis(tri-n-butyltin)oxide; Hexabutyl-distannoxane	56-35-9	0.1% (1000ppm) w/w	biocides, wood preservation, polyurethane foam	Biozide, Holzkonservierung, Polyurethanschaum
118	Bisphenol A Synonyms: 4,4-isopropylidenediphenol; Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	0.1% (1000ppm) w/w	substances used in thermal paper and as antioxidant additive in PVC, cables, Epoxy-hardener, circuit board	Substanzen in Thermopapier und als Antioxidationsmittelzusatz in PVC, Kabeln, Epoxy-Härter, Leiterplatten
175	Boric Acid	10043-35-3 11113-50-1	0.1% (1000ppm) w/w	flame retardant / adhesive component contained in wood, paper, cotton and other vegetable materials, flux	Flammhemmende / haftende Komponente in Holz, Papier, Baumwolle und anderen pflanzlichen Materialien, Flussmittel
133	Cadmium sulphide	1306-23-6	0.1% (1000ppm) w/w	piezoelectric transducer, glass	piezoelektrischer Wandler, Glas
148	DHNUP (1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters)	68515-42-4	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)
170	Diarsenic pentaoxide Synonyms: Arsenic pentoxide; Arsenic oxide	1303-28-2	0.1% (1000ppm) w/w	substances used in the manufacture of glasses, special glass	Stoffe für die Herstellung von Gläsern, Spezialglas
171	Diarsenic trioxide Synonyms: Arsenic trioxide	1327-53-3	0.1% (1000ppm) w/w	substances used in the manufacture of glasses, special glass	Stoffe für die Herstellung von Gläsern, Spezialglas
176	Diboron Trioxide	1303-86-2	0.1% (1000ppm) w/w	flame retardant / adhesive component contained in wood, paper, cotton and other vegetable materials, flux	Flammhemmende / haftende Komponente in Holz, Papier, Baumwolle und anderen pflanzlichen Materialien, Flussmittel
159	Dibutyltin dichloride (DBTC)	683-18-1	0.1% (1000ppm) w/w	heat stabilizers, RTV-silicone 112	Wärmestabilisatoren, RTV-Silikon 112
205	Dicyclohexyl phthalate (DCHP)	84-61-7	0.1% (1000ppm) w/w	PVC-cables, housings, epoxy systems	PVC-Kabel, Gehäuse, Epoxid-Systeme
142	Dihexyl phthalate	84-75-3	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)
149	DIHP (1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich)	71888-89-6	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)
145	Diisopentylphthalate (DIPP)	605-50-5	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)
162	Dioxobis(stearato)trilead	12578-12-0	0.1% (1000ppm) w/w	heat stabilizers, all plastic housings, PVC material, incl. cables	Hitzebestabilisatoren, alle Kunststoffgehäuse, PVC-Material, inkl. Kabel
143	Dipentyl phthalate (DPP)	131-18-0	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)
155	Diphenyl ether, decabromo derivative Synonyms: Decabromodiphenylether (DecaBDE); Pentabromophenyl ether; Bis(pentabromophenyl)ether; Decabromodiphenyl oxide	1163-19-5	0.1% (1000ppm) w/w	flame retardants, plastic housings	Flammschutzmittel, Kunststoffgehäuse
204	Diphenyl ether, decabromo derivative Synonyms: Decabromodiphenylether (DecaBDE); Pentabromophenyl ether; Bis(pentabromophenyl)ether; Decabromodiphenyl oxide	1163-19-5	0.1% (1000ppm) w/w	printed circuit boards	Leiterplatten
177	Disodium tetraborate, anhydrous Synonyms: Borax; Sodium tetraborate	1303-96-4 1330-43-4 12179-04-3	0.1% (1000ppm) w/w	flame retardant / adhesive component contained in wood, paper, cotton and other vegetable materials, wood preservation	schwer entflammbar / haftende Komponente in Holz, Papier, Baumwolle und anderen pflanzlichen Materialien, Holzkonservierung
215	Ethylenediamine (EDA)	107-15-3	0.1% (1000ppm) w/w	rubber, synthetic resins	Gummi, synthetische Harze
163	Fatty acids, C16-18, lead salts	91031-62-8	0.1% (1000ppm) w/w	heat stabilizers, plastic housings, PVC material, incl. cables	Hitzebestabilisatoren, Kunststoffgehäuse, PVC-Material, inkl. Kabel
158	Hexabromocyclododecane, mixed isomer (HBCD, HBCDD)	25637-99-4 3194-55-6 134237-51-7 134237-50-6 134237-52-8	0.1% (1000ppm) w/w  0.01% (100ppm) w/w (EU POPs)	flame retardants, plastic housings (ASA, POM, PVC, PC, PE, PA)	Flammschutzmittel, Kunststoffgehäuse (ASA, POM, PVC, PC, PE, PA)
179	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.1% (1000ppm) w/w	Substance used in acrylic adhesive glues	Substanz, die in Acrylklebstoffen verwendet wird
219	Lead (Pb)	7439-92-1	0.1% (1000ppm) w/w	solder, stabilisers in PVC, connector, chip termination electroplating, lacquer, primer, paint, conformal coatings, coating wires, thread locking	Lot, Stabilisatoren in PVC, Stecker, Chip-Terminierung Galvanisierung, Lack, Grundierung, Farbe, Schutzlacke, Beschichtungsdrähte, Gewindegewinde
164	Lead dinitrate	10099-74-8	0.1% (1000ppm) w/w	heat stabilizers, polyamide and polyester housings	Hitzebestabilisatoren, Gehäuse aus Polyamid und Polyester
131	Lead monoxide (lead oxide)	1317-36-8	0.1% (1000ppm) w/w 0.03 % (300ppm) w/w of surface coating material (Prop 65)	cables/cords with thermoset or thermoplastic coatings	Kabel mit duroplastischen oder thermoplastischen Beschichtungen
160	Lead oxide sulfate	12036-76-9	0.1% (1000ppm) w/w	heat stabilizers, PVC materials, incl. cables	Hitzebestabilisatoren, PVC-Materialien, einschl. Kabel
115	Lead titanium trioxide	12060-00-3	0.1% (1000ppm) w/w	substances used in ultrasound transducers, ceramic capacitors and actuators	Substanzen, die in Ultraschallwandlern, keramischen Kondensatoren und Aktuatoren verwendet werden
116	Lead titanium zirconium oxide	12626-81-2	0.1% (1000ppm) w/w	substances used in ultrasound transducers, ceramic capacitors and actuators	Substanzen, die in Ultraschallwandlern, keramischen Kondensatoren und Aktuatoren verwendet werden
113	N,N-dimethylacetamide	127-19-5	0.1% (1000ppm) w/w	substances used in electrolytic capacitors (alu elco)	Substanzen in Elektrolytkondensatoren (alu elco)
114	N,N-dimethylformamide	68-12-2	0.1% (1000ppm) w/w	substances used in electrolytic capacitors (low temperature capacitors rated to -55°C)	Substanzen in Elektrolytkondensatoren (Niedertemperaturkondensatoren bis -55 °C)
119	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts: - Nonadecafluorodecanoic acid - Decanoic acid, nonadecafluoro-, sodium salt - Ammonium nonadecafluorodecanoate	3108-42-7 335-76-2 3830-45-3	0.1% (1000ppm) w/w	substances used in PVDF plastic, cables (PVDF), seals, membranes, packaging films, binder in electrodes of Li-batteries	Substanzen in PVDF-Kunststoff, Kabel (PVDF), Dichtungen, Membranen, Verpackungsfolien, Bindemittel in Elektroden von Li-Batterien verwendet
146	N-pentyl-isopentylphthalate	776297-69-9	0.1% (1000ppm) w/w	phthalate plasticizers, cables	Phthalatweichmacher, Kabel
216	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.1% (1000ppm) w/w	rubber, sealing gaskets	Gummi, Dichtungen
121	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.1% (1000ppm) w/w	substances used in PVDF plastic, cables (PVDF), seals, membranes, packaging films, binder in electrodes of Li-batteries	Substanzen in PVDF-Kunststoff, Kabel (PVDF), Dichtungen, Membranen, Verpackungsfolien, Bindemittel in Elektroden von Li-Batterien verwendet
165	Pentalead tetraoxide sulphate	12065-90-6	0.1% (1000ppm) w/w	heat stabilizers, all plastic housings, PVC material, incl. cables	Hitzebestabilisatoren, alle Kunststoffgehäuse, PVC-Material, inkl. Kabel
129	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	0.1% (1000ppm) w/w	protective coatings which are resistant to water, oils, etc. cables (PVDF), seals, membranes, packaging films, binder in electrodes of Li-batteries	Schutzbeschichtungen, die gegen Wasser, Öle usw. beständig sind, Kabel (PVDF), Dichtungen, Membranen, Verpackungsfolien, Bindemittel in Elektroden von Li-Batterien
120	Perfluorononan-1-ic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	0.1% (1000ppm) w/w	substances used in PVDF plastic, cables (PVDF), seals, membranes, packaging films, binder in electrodes of Li-batteries	Substanzen in PVDF-Kunststoff, Kabel (PVDF), Dichtungen, Membranen, Verpackungsfolien, Bindemittel in Elektroden von Li-Batterien verwendet

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140	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	0.1% (1000ppm) w/w	phthalate plasticizers, PVC materials (cables, wire insulation)	Phthalatweichmacher, PVC-Materialien (Kabel, Drahtisolierung)
212	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	0.1% (1000ppm) w/w	lubricant additive in lubricants and greases	Schmiermittelzusatz in Schmiermitteln und Fetten verwendet
157	Short chained chlorinated paraffins (SCCP) Synonyms: Alkanes, C10-13, chloro; Chlorinated paraffins, C10-13	85535-84-8	0.1% (1000ppm) w/w	flame retardants, adhesives, paints, PVC-cables	Flammenschutzmittel, Klebstoffe, Farben, PVC-Kabel
166	Sulfurous acid, lead salt, dibasic	62229-08-7	0.1% (1000ppm) w/w	heat stabilizers, all plastic housings, PVC material, incl. cables	Hitzestabilisatoren, alle Kunststoffgehäuse, PVC-Material, inkl. Kabel
156	TCEP (Tris (2-chloroethyl) phosphate) Synonyms: Ethanol, 2-chloro-, phosphate (3:1)	115-96-8	0.1% (1000ppm) w/w	flame retardants, PUR-foam, potting system, PVC materials	Flammenschutzmittel, PUR-Schaum, Vergussystem, PVC-Materialien
178	Tetraboron disodium heptaoxide, hydrate	12267-73-1	0.1% (1000ppm) w/w	flame retardant / adhesive component contained in wood, paper, cotton and other	schwer entflammbare / haftende Komponente in Holz, Papier, Baumwolle und anderen
167	Tetralead trioxide sulphate	12202-17-4	0.1% (1000ppm) w/w	heat stabilizers, all plastic housings, PVC material, incl. cables	Hitzestabilisatoren, alle Kunststoffgehäuse, PVC-Material, inkl. Kabel
168	Trilead dioxide phosphonate	12141-20-7	0.1% (1000ppm) w/w	heat stabilizers, all plastic housings, PVC material, incl. Cables	Hitzestabilisatoren, alle Kunststoffgehäuse, PVC-Material, inkl. Kabel
154	Trixylyl phosphate	25155-23-1	0.1% (1000ppm) w/w	flame retardants, PVC materials, PUR-potting system, rubber	Flammenschutzmittel, PVC-Materialien, PUR-Verguss-System, Gummi
<b>REACH (Annex XVII / Anhang XVII)</b>					
11	1,1,1,2-Tetrachloroethane	630-20-6	0.1% (1000ppm) w/w	chlorinated hydrocarbons restricted from finished products, coatings	Chlorierte Kohlenwasserstoffe beschränkt in Fertigprodukten, Beschichtungen
17	1,1,1-Trichloroethane Synonyms: Methyl chloroform; Solvent 111; 1,1,1-TCE	71-55-6	-	solvents in paints, adhesives, cutting oils and for cleaning metallic workpieces, glass, optical devices and machines	Lösungsmittel in Farben, Klebstoffen, Schneidölen und zur Reinigung von metallischen Werkstücken, Glas, optischen Geräten und Maschinen
7	1,1-Dichloroethene Synonyms: 1,1-dichloroethylene; Vinylidene chloride	75-35-4	0.1% (1000ppm) w/w	chlorinated hydrocarbons restricted from finished products, PVC-cables, housings	Chlorierte Kohlenwasserstoffe beschränkt in Fertigprodukten, PVC-Kabel, Gehäuse
80	Dibutyltin (DBT) compounds	-	0.1% (1000ppm) w/w	heat stabilizers, PVC materials (cables, wire insulation)	Hitzestabilisatoren, PVC-Materialien (Kabel, Drahtisolierung)
79	Dimethyl fumarate (DMF)	624-49-7	0.00001% (0.1 ppm) w/w	biocides and pesticides, silica gel desiccant bags	Biozide und Pestizide, Silikagel-Trockenmittelbeutel
218	Diocetyl tin (DOT)	-	0.1% (1000ppm) w/w	prohibited for one-component and two-component room temperature vulcanization impression kits (RTV-2 Impression Kits) and adhesives	verboten für Ein-Komponenten- und Zwei-Komponenten-Raumtemperaturvulkanisierungs-Dichtungsmittel (RTV-1- und RTV-2-Dichtungsmittel) und Klebstoffe
8	Pentachloroethane	76-01-7	0.1% (1000ppm) w/w	chlorinated hydrocarbons restricted from finished products, oils, grease	chlorierte Kohlenwasserstoffe beschränkt auf Fertigprodukte, Öle, Fette
84	Polychlorinated terphenyls (PCTs) Synonyms: Terphenyl, chlorinated	61788-33-8	0.005% (50ppm) w/w	dielectrics, PVC materials (cables, wire insulation)	Dielektrika, PVC-Materialien (Kabel, Kabelisolierung)
82	Tri-substituted organostannic compounds	-	0.1% (1000ppm) w/w	biocides and pesticides, stabilisers for PVC materials (cables, wire insulation)	Biozide und Pestizide, Stabilisatoren für PVC-Materialien (Kabel, Drahtisolierung)
<b>Persistent Organic Pollutants / Persistente organische Schadstoffe (POPs)</b>					
193	Alkanes, C10-12, chloro	108171-26-2	0.1% (1000ppm) w/w	Plasticizer for PVC, flame retardant	Weichmacher für PVC, Flammenschutzmittel
195	Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)	68631-49-2 207122-15-4 446255-22-7 207122-16-5	0.001% (10ppm) w/w	flame retardants	Flammenschutzmittel
201	Polychlorinated naphthalenes (PCN)	70776-03-3	-	insulating coatings for electrical wires, rubber and plastic additives, for capacitor dielectrics and in lubricants	Isolierbeschichtungen für elektrische Drähte, Gummi- und Kunststoffadditive, für Kondensatordielektrika und in Schmiermitteln
203	Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)	5436-43-1 60348-60-9 40088-47-9	0.001% (10ppm) w/w	printed circuit boards	Leiterplatten
<b>Battery Content Restrictions / Batterie Inhaltsbeschränkungen</b>					
89	Cadmium and Cadmium compounds in batteries	7440-43-9	0.001% (10 ppm) w/w	substances used in batteries	Substanzen, welche in Batterien verwendet werden
90	Lead and Lead compounds in batteries	7439-92-1	0.004% (40 ppm) w/w	substances used in batteries	Substanzen, welche in Batterien verwendet werden
88	Mercury and Mercury compounds in batteries	7439-97-6	0.0001% (1 ppm) w/w	substances used in batteries	Substanzen, welche in Batterien verwendet werden
87	Perchlorates in batteries	7791-03-9 7790-98-9 13465-95-7 13637-76-8 99749-31-2 10034-81-8 13455-31-7 7616-83-3 13520-61-1 13637-71-3 7778-74-7 7601-89-0 15596-83-5	0.000006% (6 ppb) w/w	substances used in batteries	Substanzen, welche in Batterien verwendet werden

xxx this substances have been updated since last version