

ID	SubstanceGroup	SpecificSubstance	CASNumber	CommonSynonyms	TypicalApplications	Basis	BasisDescription	ReportableApplications	ReportingThreshold	ReportingRequirement	FirstAdded	LastRevised	Comments
64		Decabromodiphenyl ether	1163-19-5	Bis(pentabromophenyl ether); DecaBDE; Deca-BDE; 2,3,4,5,6-Pentabromo-1-(2,3,4,5,6-pentabromophenoxy)benzene; BDE-209	Flame retardant	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00014)
65		Sulfurous acid, lead salt, dibasic	62229-08-7	sulfurous acid, lead; basic lead sulfite and lead sulfite	Heat stabilizer for PVC, for example for wiring and cabling insulation	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00015)
66		1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	Triglyme, TEGDME, Triethylene glycol dimethyl ether, Ansol Ether 161, DMTG, Ethane 1,2-bis(2-methoxyethoxy)-, Glyme 4, Hsolvie MTM, Methyltriglyme, NSC 66400	Solvent may be used in battery electrolytes for lithium batteries. May be in found in printing inks.	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00016)
67		Trilead dioxide phosphonate	12141-20-7	Lead phosphite, dibasic; Lead oxide phosphonate; plumbous phosphite	Heat stabilizer for PVC, for example for wiring and cabling insulation	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00017)
68		1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	1,2-Ethanediol, dimethyl ether; 2,5-Dioxehexane; DME; DME (glycol ether); Dimethyl Cellosolve; Ethylene dimethyl ether; Glycol dimethyl ether; Glyme; Hsolvie MMM, Monoethylene glycol dimethyl ether; Monoglyme; NSC 60542; α,β-Dimethoxyethane	Solvent used in battery electrolytes for lithium batteries. May be in found in printing inks and paint strippers	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00018)
69		4-Aminoazobenzene	60-09-3	4-Phenylazobenzene, Aniline Yellow	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	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00019)
70		Tetralead trioxide sulfate	12202-17-4	Lead tribasic sulfate; Tribasic lead sulfate; Lead oxide sulfate; Lead sulfate tribasic; Lead oxide sulfate monohydrate; Lead(2+) sulfate - oxo-1,2-plumbane (1-3)	Heat stabilizer for PVC, for example for wiring and cabling insulation	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00020)
71		Orange lead (lead tetroxide)	1314-41-6		Used in rust-proof primer paints	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00021)
72		Pyrochlor, animony lead yellow	8012-00-8	Lead antimonate	Used as yellow pigment for coloring plastics and paint.	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00022)
73		Pentalead tetraoxide sulphate	12065-90-6	Tetrabasic lead sulfate and lead oxide sulfate	Heat stabilizer for plastics; for example, non-transparent PVC	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00023)
74		1,2-Diethoxyethane	629-14-1	Diethyl glycol; Ethylene Glycol Diethyl Ether	Solvent used in electrolytes for lithium batteries.	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00024)
75		Diboron trioxide	1303-86-2	Boron oxide, Boron sesquioxide	Found in wood veneers,	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00025)
76		Dibutyltin (DBT) compounds	683-18-1	Dibutyltin chloride (DBTCl); Dibutyltin chlorin	Ingredient in some paint thinner and as heat stabilizer for PVC	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00026)
77		Lead cyanamide	20837-86-9	Cyanamide lead(2+ salt (1:1)	Used in anticorrosion coatings e.g. steel articles	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00027)
78		N,N-dimethylformamide	68-12-2	Formyl dimethylamine	Used as electrolyte in electrolytic capacitors rated for low temperature	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00028)
79		Silicic acid (H2SiO3), barium salt (1:1), lead-doped	68784-75-8	Barium silicate; lead doped	Used in UV emitting light bulbs and lamps	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00029)
80		1,2-Benzenedicarboxylic acid, diphenylester, 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	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00030)
81		Diisopentylphthalate (DIPP)	605-50-5	1,2-Benzenedicarboxylic acid, bis(3-methylbutyl)ester; Diisoamyl phthalate; isoamyl phthalate	specialist applications, for example where high solvating plasticizers and stain resistance are required	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00031)
82		N-pentyl-isopentylphthalate	776297-69-9	n-Pentyl-isopentyl phthalate; 1,2-Benzenedicarboxylic acid, 3-methylbutylpentyl ester	specialist applications, for example where high solvating plasticizers and stain resistance are required	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00032)
83		Lead titanium trioxide	12060-00-3	C.I. Pigment Yellow 47; Lead titanate; Lead titanate (PbO-TiO2); Lead titanate (PbTiO3); Pigment Yellow 47	transducers, gas igniters, ultrasonic motors, ceramic capacitors and other electronic components that use piezoelectric materials	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00033)
84		Lead titanium zirconium oxide	12626-81-2	Lead titanate zirconate; Lead titanate zirconate (PbTi1.2Zr0.8O3); Lead titanate zirconate (PbTiO-1ZrO-1O3); Lead titanium zirconium oxide (PbTiO-1ZrO-1O3); Lead zirconate titanate	In piezoelectric components, ultrasound transducers, gas igniters, ultrasonic motors, ceramic capacitors and other electronic components that use piezoelectric materials	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00034)
85		Lead oxide sulfate	12036-76-0	Lead sulphate, basic; lead	Heat stabilizer for PVC used for wiring and cabling insulation.	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00035)
86		(Phthalato(2-))dioxotrilead	69011-06-9	1,2-Benzenedicarboxylic acid, lead complex	Heat stabilizer for plastics, for example for wiring and cabling insulation.	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00036)
87		Dioxobis(stearato)trilead	12578-12-0	Octadecanoic acid, lead complex	Heat stabilizer for plastics, for example for wiring and cabling insulation.	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00037)
88		Fatty acids, C16-18, lead salts	91031-62-8		Heat stabilizer for plastics, for example for wiring and cabling insulation.	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00038)
89		Lead dinitrate	10099-74-8	Plumbous nitrate	also used as a coating on paper for photo thermography.	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass%	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00039)
90		Di-isodecyl phthalate (DIDP)	68515-49-1 and 26761-40-0	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Criteria 1: Currently Regulated	California Prop 65	All	Intentionally added	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00040)
91		Di-n-hexyl Phthalate (DnHP)	84-75-3		Plasticizer, dye, pigment, paint, ink, adhesive, lubricant	Criteria 1: Currently Regulated	California Prop 65	All	Intentionally added	Mandatory	2013-06-10	2013-06-10	Added substance in version D4.00 (CR00041)
current	Perchlorates	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details		Lithium batteries; coin cell batteries	Criteria 1: Currently Regulated	California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act; implemented July 1, 2006	All	6 x 10 ⁻⁷ mass%	Mandatory	2010-04-02	2010-04-02	The only known application in use today in electronic industry is coin cell batteries.
modified	Perchlorates	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details		Lithium batteries; coin cell batteries	Criteria 1: Currently Regulated	California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act; implemented July 1, 2006	All	6 x 10 ⁻⁷ mass% of battery or product part	Mandatory	2010-04-02	2013-06-10	The only known application in use today in electronic industry is coin cell batteries.
current	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	U.S. Consumer Product Safety Improvement Act	products designed or intended primarily for children 12	0.03 mass%	Mandatory	2010-04-02	2011-10-14	Updated typical EEE applications and description of basis. Editorial clarification for reportable application

modified	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	U.S. Consumer Product Safety Improvement Act as modified by 76 FR 44463	products designed or intended primarily for children 12	0.01 mass%	Mandatory	2010-04-02	2013-06-10	Updated typical EEE applications and description of basis. Editorial clarification for reportable application.
current	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	Import, and Sale of Dry Cell Batteries; Chinese Standard GB 24427-2009 "Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries"; Korea: Law on quality management and control of safety of industrial products Battery regulation; 2006/66/EC EU Battery Directive; New York Env Law § 27-0719 Battery Management and Disposal	Batteries	0.0001 mass% of battery	Mandatory	2010-04-02	2011-10-14	The battery reporting threshold level is based on the strictest known legal requirement. However, for simplification, the same reporting threshold level is set for all kind of batteries, even if the underlying legal requirement is only applicable for only one specific battery type.
modified	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	Import, and Sale of Dry Cell Batteries; Chinese Standard GB 24427-2009 "Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries"; Korea: Law on quality management and control of safety of industrial products Battery regulation; 2006/66/EC EU Battery Directive; New York Env Law § 27-	Batteries	Intentionally added or 0.0001 mass% of battery	Mandatory	2010-04-02	2013-06-10	Inclusion of "Intentionally added" in reporting threshold. (CR00048) The battery reporting threshold level is based on the strictest known legal requirement. However, for simplification, the same reporting threshold level is set for all kind of batteries, even if the underlying legal requirement is only applicable for only one specific battery type.
current	Brominated Flame Retardants (BFR) - other	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	Industry Standards IEC 61249-2-21 and IPC-4101	Printed wiring board laminate	0.09 mass% total bromine content in laminate	Optional	2010-04-02	2010-04-02	board materials excluding surface finishes and components whereas a printed wiring board assembly refers to an assembly that uses a printed wiring board laminate for component mounting and interconnecting purposes
modified	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	Industry Standards IEC 61249-2-21 and IPC-4101	Printed wiring board laminate	0.09 mass% total bromine content in laminate	Optional	2010-04-02	2013-06-10	declarable substance group and to match with naming used in JIG-101 Ed. 4.1. A printed wiring board laminate refers to the layered board materials excluding surface finishes and components whereas a printed wiring board assembly refers to an assembly that uses a printed wiring board laminate for component mounting and interconnecting purposes
current	Brominated Flame Retardants (BFR) - other	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	Joint JEDEC/ECA JS-709A Standard Defining "Low Halogen" Electronics	Plastic materials except printed wiring board laminates	0.1 mass% of bromine	Optional	2011-10-14	2013-01-30	previous Brominated Flame Retardants (BFR) - other entries. A printed wiring board laminate refers to the layered board materials excluding surface finishing and components
modified	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	Joint JEDEC/ECA JS-709A Standard Defining "Low Halogen" Electronics	Plastic materials except printed wiring board laminates	0.1 mass% of bromine	Optional	2011-10-14	2013-06-10	declarable substance group and to match with naming used in JIG-101 Ed. 4.1. A printed wiring board laminate refers to the layered board materials excluding surface finishes and components whereas a printed wiring board assembly refers to an assembly that uses a printed wiring board laminate for component mounting and interconnecting purposes
Current	Refractory Ceramic Fibres (RCF), Aluminosilicate	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details		Thermal insulation for high temperature test equipment	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass %	Mandatory	2010-04-02	2011-10-14	Member State Committee Support Document dated 3-December-2009 on Aluminosilicate refractory ceramic fibers as substance of very high concern. Fibers covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament
modified	Refractory Ceramic Aluminosilicate	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details		Thermal insulation for high temperature test equipment	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass %	Mandatory	2010-04-02	2013-06-10	Member State Committee Support Document dated 3-December-2009 on Aluminosilicate refractory ceramic fibers as substance of very high concern. Fibers 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
Current	Refractory Ceramic Fibres (RCF), Zirconia Aluminosilicate	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details		Thermal insulation for high temperature test equipment	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass %	Mandatory	2010-04-02	2011-10-14	Member State Committee Support Document dated 3-December-2009 on Zirconia Aluminosilicate refractory ceramic fibers as substance of very high concern. Fibers covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament
modified	Refractory Ceramic Fibres (RCF), Zirconia Aluminosilicate	See Reference Substance worksheet for more details	See Reference Substance worksheet for more details		Thermal insulation for high temperature test equipment	Criteria 1: Currently Regulated	Candidate list for European REACH Regulation No. 1907/2006/EC	All	0.1 mass %	Mandatory	2010-04-02	2013-06-10	Member State Committee Support Document dated 3-December-2009 on Zirconia Aluminosilicate refractory ceramic fibers as substance of very high concern. Fibers 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