

Management standards

A: Prohibited Substances

- Prohibited substances (A) are ones which must not be contained in products, and their uses are prohibited in principle (except when there is an exemption based on laws and regulations).
- The definition of the threshold level is as follows.

Prohibition of intentionally added: Addition for some purpose, such as to give a certain performance to a product, is prohibited.

Conditional prohibition: The inclusion that deviates from the conditions (thresholds, exemptions, etc.) stipulated by the "Major Applicable Laws and Regulations" in the table below is prohibited.

B: Managed Substances

- Managed substances (B) are ones which conform to "JAMP declarable substances" given by "Joint Article Management Promotion-consortium" (JAMP).

Although it is not limited to contain these substances in products intentionally, whether any product contains these substances or not should be understood and reported and, if they are contained, the amount of the contained substances should also be understood and reported.

As of March 31, 2025

A: Prohibited Substances

No.	Substance/Substance Group	Examples (CAS RN [®]) (Not all substances are included, but give only examples.)	Threshold Level	Major Applicable Laws and Regulations								
				Chemical Substances Control Law	EU-RoHS	POPs	REACH SVHC	REACH Annex XVII	IEC 62474 Reported Substance	TSCA PBT	Others	
A 0 1	Asbestos	Asbestos (1332-21-4) Actinolite (77536-66-4) Amosite (12172-73-5) etc.	Intentionally added					○	○			
A 0 2	Polychlorinated biphenyls (PCBs)	Polychlorinated biphenyls (1336-36-3) Pentachlorobiphenyls (25429-29-2) etc.	Intentionally added	○		○				○		
A 0 3	Cadmium/Cadmium compounds	Cadmium (7440-43-9) Cadmium oxide (1306-19-0) Cadmium sulfide (1306-23-6) etc.	Conditional prohibition		○		○	○	○			
A 0 4	Lead/Lead compounds	Lead (7439-92-1) Lead (IV) oxide (1309-60-0) Lead (II) carbonate (598-63-0) etc.	Conditional prohibition		○		○	○	○			
A 0 5	Mercury/Mercury compounds	Mercury (7439-97-6) Mercury chloride (II) (7487-94-7) Mercuric (II) oxide (21908-53-2) etc.	Conditional prohibition		○			○	○			
A 0 6	Chromium (VI) Compounds	Chromium trioxide (1333-82-0) Calcium chromate (13765-19-0) etc.	Conditional prohibition		○			○	○			
A 0 7	Polybrominated diphenylethers (PBDEs)	Monobromodiphenyl ether (101-55-3) Dibromodiphenyl ether (2050-47-7) Tribromodiphenyl ether (49690-94-0) Tetrabromodiphenyl ether (40088-47-9) Pentabromodiphenyl ether (32534-81-9) Hexabromodiphenyl ether (36483-60-0) Heptabromodiphenyl ether (68928-80-3) Octabromodiphenyl ether (32536-52-0) Nonabromodiphenyl ether (63936-56-1) etc.	Conditional prohibition		○					○		
A 0 8	Polybrominated biphenyls (PBBs)	Monobromobiphenyl (2052-07-5) Dibromobiphenyl (92-86-4) Tribromobiphenyl (59080-34-1) Tetrabromobiphenyl (40088-45-7) Pentabromobiphenyl (56307-79-0) Hexabromobiphenyl (59080-40-9) Heptabromobiphenyl (35194-78-6) Octabromobiphenyl (61288-13-9) Nonabromobiphenyl (27753-52-2) Decabromobiphenyl (13654-09-6) etc.	Conditional prohibition		○				○	○		
A 0 9	Perfluorooctane sulfonates (PFOS) or its salts	Perfluorooctane sulfonate (1763-23-1) Perfluorooctane sulfonate fluoride (307-35-7) etc.	Intentionally added	○		○				○		
A 1 0	Polychlorinated naphthalenes (PCNs)	Polychloronaphthalenes (70776-03-3) Pentachloronaphthalene (1321-64-8) etc.	Intentionally added	○		○				○		
A 1 1	Arsenic/Arsenic compounds (Prohibition of use on wood, clothing or accessories, footwear, etc.)	Arsenic (7440-38-2) Arsenic pentoxide (1303-28-2) etc.	Intentionally added						○	○		
A 1 2	Tri-substituted organostannic compounds (including tributyltin (TBT) and triphenyltin (TPPT))	Tributyltinacetate (56-36-0) Triphenyltinfluoride (379-52-2) etc.	Intentionally added						○	○		
A 1 3	Ozone depleting substances (ODS) (Examples: CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	Trichlorofluoromethane (CFC-11) (75-69-4) Chloromethane (methyl chloride) (74-87-3) etc.	Intentionally added							○		
A 1 4	Alkanes, C10-13, chloro (Short chain chlorinated paraffins)	Alkanes, C10-13, chloro (85535-84-8) Alkanes, C10-12, chloro (108171-26-2) etc.	Intentionally added	○		○	○			○		
A 1 5	Polychlorinated terphenyls (PCTs)	Polychlorinated terphenyls (61788-33-8) etc.	Intentionally added						○	○		
A 1 6	Dimethyl fumarate (DMF)	Dimethyl fumarate (624-49-7)	Intentionally added						○	○		
A 1 7	Bis (2-ethylhexyl) phthalate (DEHP)	Bis (2-ethylhexyl) phthalate (117-81-7)	Conditional prohibition		○		○	○	○	○		
A 1 8	Dibutyl phthalate (DBP)	Dibutyl phthalate (84-74-2)	Conditional prohibition		○		○	○	○	○		
A 1 9	Butyl benzyl phthalate (BBP)	Butyl benzyl phthalate (85-68-7)	Conditional prohibition		○		○	○	○	○		
A 2 0	Diisobutyl phthalate (DIBP)	Diisobutyl phthalate (84-69-5)	Conditional prohibition		○		○	○	○	○		
A 2 1	Hexabromocyclododecane (HBCD/HBCDD)	Hexabromocyclododecane (25637-99-4) α-Hexabromocyclododecane (134237-50-6) etc.	Intentionally added	○		○	○	○		○		
A 2 2	Azocolourants and azodyes which form certain aromatic amines	Biphenyl-4-ylamine (92-67-1) Benzidine (92-87-5) etc.	Intentionally added						○	○		
A 2 3	Cobalt dichloride	Cobalt dichloride (7646-79-9)	Intentionally added				○	○	○	○		
A 2 4	2-(2H-1,2,3-benzotriazol-2-yl)-4,6-di-tert-butylphenol	2-(2H-1,2,3-benzotriazol-2-yl)-4,6-di-tert-butylphenol (3846-71-7)	Intentionally added	○			○			○		
A 2 5	Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances	Perfluorooctanoic acid (335-67-1) Sodium salt of Perfluorooctanoic acid (335-95-5) Methyl perfluorooctanoate (376-27-2) etc.	Intentionally added	○		○	○			○		
A 2 6	Radioactive substances	Uranium (7440-61-1) Radon (10043-92-2) etc.	Intentionally added							○		
A 2 7	Bis(tributyltin)oxide (TBTO)	Bis(tributyltin)oxide (56-35-9)	Intentionally added	○			○	○	○	○		
A 2 8	Missing number											
A 2 9	Missing number											
A 3 0	Perfluorohexanesulphonic acid (PFHxS), its salts and PFHxS-related substances	Perfluorohexanesulphonic acid (355-46-4) Sodium perfluorohexanesulfonate (82382-12-5) etc.	Intentionally added	○		○	○					
A 3 1	Perfluorocarboxylic acids (PFCAs) C9-C14, its salts and PFCAs-related substances	Perfluorononanoic acid (375-95-1) Perfluorodecanoic acid (335-76-2) etc.	Intentionally added						○	○		
A 3 2	Decabromodiphenyl ether (DecaBDE)	Decabromodiphenyl ether (1163-19-5)	Intentionally added	○	○	○	○			○	○	
A 3 3	Phenol, Isopropylated, Phosphate (3:1) (PIP (3:1))	Phenol, Isopropylated, Phosphate (3:1) (68937-41-7)	Intentionally added							○	○	
A 3 4	2,4,6-Tris(tert-butyl)phenol (TTBP)	2,4,6-Tris(tert-butyl)phenol (732-26-3)	Conditional prohibition	○				○	○		○	
A 3 5	Hexachlorobutadiene (HCBD)	Hexachlorobutadiene (87-68-3)	Intentionally added	○		○					○	

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				Chemical Substances Control Law	EU-RoHS	POPs	REACH SVHC	REACH Annex XVII	IEC 62474 Reported Substance	TSCA PBT	Others	
A 3 6	Pentachlorothiophenol (PCTP)	Pentachlorothiophenol (133-49-3)	Conditional prohibition								○	
A 3 7	Polyvinyl chloride (PVC) /PVC compounds (Prohibition of use for packaging and cases)	Polyvinyl chloride (9002-86-2)	Intentionally added									○*1
A 3 8	Mineral oil aromatic hydrocarbons (MOAH) comprising 1 to 7 aromatic rings (Prohibition of mineral oils on packaging)	Xylene (108-88-3) Anthracene (120-12-7) etc. Excluding toluene (95-47-6) (According to the French authorities' FAQ)	Conditional prohibition									○*2
A 3 9	Hexachlorobenzene	Hexachlorobenzene (118-74-1)	Conditional prohibition	○		○		○				
A 4 0	Dechlorane Plus	Dechlorane Plus (13560-89-9) Anti-isomers (135821-74-8) Syn-isomers (135821-03-3)	Intentionally added	○		○	○					candidate*4
A 4 1	2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert pentylphenol (UV-328)	2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert pentylphenol (25973-55-1)	Intentionally added	○		○	○					
A 4 2	Mineral oil saturated hydrocarbons (MOSH) with 16 to 35 carbon atoms (Prohibition of mineral oils on packaging)	Hexadecane (554-76-3) Pentatriacontane (630-07-9) etc.	Conditional prohibition									○*2
A 4 3	Specific substitutes for polychlorinated biphenyls (PCBs)	Monomethyl-tetrachloro-diphenyl methane (76253-60-6) Monomethyl-dichloro-diphenyl methane (81161-70-8) Monomethyl-dibromo-diphenyl methane (99688-47-8)	Intentionally added					○	○			

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				Chemical Substances Control Law	EU-RoHS	POPs	REACH SVHC	REACH Annex XVII	IEC 62474 Reported Substance	TSCA PBT	Others	
B 0 1	Antimony/Antimony compounds (including alloy)	Antimony (7440-36-0) Sodium antimonate (15432-85-6) etc.						○				
B 0 2	Beryllium/Beryllium compounds (including alloy)	Beryllium (7440-41-7) Beryllium oxide (1304-56-9) etc.						○	○			
B 0 3	Brominated flame retardants (other than PBBs, PBDEs or HBCDDs)	TBBA-(2,3-dibromopropyl ether) (21850-44-2) etc.							○			
B 0 4	Nickel/Nickel compounds (Only the parts that touch people)	Nickel (7440-02-0) Nickel (II) sulfate hexahydrate (10101-97-0) Nickel oxide (11099-02-8) etc.						○	○			
B 0 5	Polyvinyl chloride (PVC)/PVC compounds (other than packaging and cases)	Polyvinyl chloride (9002-86-2)										
B 0 6	Selenium/Selenium compounds (including alloy)	Selenium (7782-49-2) Selenious acid (7783-00-8) etc.										
B 0 7	Perchlorates	Lithium perchlorate (7791-03-9) etc.							○			
B 0 8	Fluorinated greenhouse gases (PFC, HFC, SF6)	Carbon tetrafluoride (PFC) (75-73-0) Trifluoromethane (HFC) (75-46-7) Sulfur hexafluoride (SF6) (2551-62-4) etc.							○			
B 0 9	Chlorinated flame retardants	Tetrakis(2-chloroethyl) dichloroisopentylidiphosphate (38051-10-4) Tris(1-chloro-2-propyl) phosphate (13674-84-5) etc.							○			
B 1 0	Formaldehyde	Formaldehyde (50-00-0)						○	○			
B 1 1	Restricted substances of REACH Regulation (Annex XVII)	—						○				
B 1 2	SVHCs of REACH Regulation (Annex XVII (Approved substances) + Candidate substances for authorization)	—					○					
B 1 3	IEC62474	—							○			
B 1 4	JAMP controlled substances (chemSHERPA)	—										
B 1 5	Perfluoroalkyl substances (PFAS)	1,1,2-trichloro-1,2,2-trifluoroethane (76-13-1) Perfluorobutanesulfonyl fluoride (375-72-4) etc.										○*3
B 1 6	Tetrabromobisphenol A (TBBPA)	Tetrabromobisphenol A (79-94-7)					○		○			
B 1 7	Alkanes, C14-17, chloro (Medium chain chlorinated paraffins)	Alkanes, C14-17, chloro (85535-85-9) etc.				candidate	○		○			
B 1 8	Long-chain perfluorocarboxylic acids (LC-PFCAs), their salts and LC-PFCAs-related substances	Perfluorodecanoic Acid (335-76-2) Perfluorododecanoic Acid (307-55-1) etc.				candidate						
B 1 9	Decabromodiphenylethane	Decabromodiphenylethane (94852-53-9)							○			candidate*4

Others

- *1 Korea ; Act on the Promotion of Saving and Recycling of Resource
- *2 France ; French Circular Economy Law
- *3 USA ; TSCA Section 8(a)(7) Reporting and Recordkeeping Requirements for Perfluoroalkyl and Polyfluoroalkyl Substances
- *4 Canada ; Prohibition of Certain Toxic Substances Regulations