

Icom Green Procurement Standard 5th version

Appendix 1B: List of Substances to be Managed (for packaging)

The “List of Substances to be Managed (for packaging)” is referenced from the JIG-201 Ed 1.1.

If you need CAS Numbers of the listed chemical substances and/or the detailed list of those substances, please do not hesitate to contact us anytime.

Banned substance

No.	Substance/ Category	Reportable Application(s)	Threshold Level (Reporting level)	Examples of Use	Key Legal and Regulatory or Industry Standard/ Agreement Citation
1	Arsenic Compounds	Wood	Intentionally added	Wood preservative	ANNEX XVII of REACH Regulation (EC) No 1907/2006
2	Asbestos	All	Intentionally added	Insulator, filler, pigment, paint, talc	ANNEX XVII of REACH Regulation (EC) No 1907/2006
3	Azocolourants and azodyes which form certain aromatic amines	Textiles and leather	0.003% by weight (30 ppm) of the finished textile/leather packaging item	Textile, pigment, dye, colorants	ANNEX XVII of REACH Regulation (EC) No 1907/2006
4	Dibutyltin (DBT) compounds	All	0.1% by weight (1000 ppm) of tin of the packaging item	Plasticizers, paper coatings, inks, stabilizer for PVC, curing catalyst for silicone resin and urethane resin	ANNEX XVII of REACH Regulation (EC) No 1907/2006 and Commission Regulation (EU) No 276/2010
5	Dioctyltin (DOT) compounds	Textiles that come in contact with skin	0.1% by weight (1000 ppm) of tin of the packaging item	Textiles	ANNEX XVII of REACH Regulation (EC) No 1907/2006 and Commission Regulation (EU) No 276/2010
6	Dimethyl fumarate	All	0.00001% by weight (0.1 ppm) of the packaging item	Desiccating agent, mildew-proofing agent	COMMISSION DECISION 2009/251/EC
7	Formaldehyde	Textiles	0.0075% by weight (75 ppm) of textile item	Textiles	Austria - BGB I 1990/194: Formaldehyd verordnung, §2, 12/2/1990; Lithuanian Hygiene Norm HN 96:2000

No.	Substance/ Category	Reportable Application(s)	Threshold Level (Reporting level)	Examples of Use	Key Legal and Regulatory or Industry Standard/ Agreement Citation
8	Specific Heavy Metals Cd/Cd Compounds; Pb/Pb Compounds; Hg/Hg Compounds; CrVI Compounds	All	Intentionally added or 0.01% by weight (100 ppm) of the sum of Cd, Hg, Pb & CrVI in the material	Pigment, paint, stabilizer for PVC	EU 94/62/EC Directive; US State Toxics in Packaging (TIP)
9	Phenol,2-(2H- benzotriazol-2- yl)-4,6-bis(1,1- dimethylethyl)	All	Intentionally added	Adhesives, paints, printing inks, plastics, inked ribbons, putty, caulking or sealing fillers	Japan Law concerning the evaluation of chemical substances
10	Polychlorinated biphenyls (PCBs) and specific substitutes	All	Intentionally added	Plasticizers, adhesives, putty, caulking, sealing, fillers, paints (excluding water-based paint), printing ink, and carbonless copying paper	Japan Law concerning the evaluation of chemical substances
11	Polychlorinated naphthalenes (more than 3 chlorine atoms)	All	Intentionally added	Antiseptics for wood, insecticide, mildew repellent, paints	Japan Law concerning the evaluation of chemical substances
12	Polychlorinated terphenyls (PCTs)	All	0.005% by weight (50 ppm) in material	Plasticizers, adhesives, putty, caulking, sealing fillers, paints (excluding water-based paint), printing ink, and carbonless copying paper	ANNEX XVII of REACH Regulation (EC) No 1907/2006

No.	Substance/ Category	Reportable Application(s)	Threshold Level (Reporting level)	Examples of Use	Key Legal and Regulatory or Industry Standard/ Agreement Citation
13	Tri-substituted organostannic compounds	All	Intentionally added or 0.1% by weight (1000 ppm) of tin of the packaging item	Antibacterial and antifungal agents, paint, pigment	ANNEX XVII of REACH Regulation (EC) No 1907/2006 and Commission Regulation (EU) No 276/2010; Japan Law concerning the evaluation of chemical substances; Norwegian product regulation
14	Tributyl tin oxide (TBTO)	All	Intentionally added or 0.1% by weight (1000 ppm) of the packaging item	Stabilizer for PVC, curing catalyst for silicone resin and urethane resin	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 28.10.2008); Japan Law concerning the evaluation of chemical substances

Substances to be reported

No.	Substance/ Category	Reportable Application(s)	Threshold Level (Reporting level)	Examples of Use	Key Legal and Regulatory or Industry Standard/ Agreement Citation
15	4-[4,4'-bis (dimethylamino) benzhydrylidene] cyclohexa-2,5- dien-1-ylidene] dimethyl ammonium chloride (C.I. Basic Violet 3)	All	0.1% by weight (1000 ppm) of the packaging item	Colorant in plastics or paints	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 18.06.2012)
16	4,4'-bis (dimethylamino)- 4'' - (methylamino) trityl alcohol	All	0.1% by weight (1000 ppm) of the packaging item	Pigment in ink	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 18.06.2012)
17	α,α -Bis [4-(dimethylamino) phenyl]- 4(phenylamino) naphthalene-1- methanol (C.I. Solvent Blue 4)	All	0.1% by weight (1000 ppm) of the packaging item	Pigment in ink	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 18.06.2012)
18	[4-[[4-anilino-1- naphthyl] [4-(dimethylamino) phenyl]methylene] cyclohexa-2,5-dien- 1-ylidene]dimethyl ammonium chloride (C.I. Basic Blue 26)	All	0.1% by weight (1000 ppm) of the packaging item	Pigment in ink	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 18.06.2012)
19	Bis(2- methoxyethyl) phthalate	All	0.1% by weight (1000 ppm) of the packaging item	Plasticizer	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 19.12.2011)

No.	Substance/ Category	Reportable Application(s)	Threshold Level (Reporting level)	Examples of Use	Key Legal and Regulatory or Industry Standard/ Agreement Citation
20	Boric Acid	All	0.1% by weight (1000 ppm) of the packaging item	In wood veneers/ pressed wooden panels as starch additive, flame retardant and stabilizer in amino plastic resin, wood preservative, as flame retardant in wood, cotton and other plant derived material	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 18.06.2010)
21	Calcium arsenate	All	0.1% by weight (1000 ppm) of the packaging item	Wood preservative	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 19.12.2011)
22	Cobalt dichloride (CoCl ₂)	All	0.1% by weight (1000 ppm) of the packaging item	Humidity Indicator Cards (HIC), moisture indicator in silica gel	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 13.01.2010)
23	Diarsenic pentoxide	All	0.1% by weight (1000 ppm) of the packaging item	Biocide, metal refining	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 28.10.2008)
24	Diarsenic trioxide	All	0.1% by weight (1000 ppm) of the packaging item	Biocide, metal refining	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 28.10.2008)
25	Diboron trioxide	All	0.1% by weight (1000 ppm) of the packaging item	Flame retardant	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 18.06.2012)

No.	Substance/ Category	Reportable Application(s)	Threshold Level (Reporting level)	Examples of Use	Key Legal and Regulatory or Industry Standard/ Agreement Citation
26	Disodium tetraborate, anhydrous	All	0.1% by weight (1000 ppm) of the packaging item	In wood veneers/ pressed wooden panels as starch additive, flame retardant and stabilizer in amino plastic resin, wood preservative	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 18.06.2010)
27	Hexabromocyclodecane (HBCDD) and all major diastereoisomers	All	0.1% by weight (1000 ppm) of the packaging item	Flame retardant mainly used for expanded polystyrene (PS), polyurethane (PU) and some types of fiber	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 28.10.2008)
28	Methyl bromide	Fumigation of wood pallets within EU	Intentionally added	Wood pallets	ISPM-15
29	1-methyl 2-pyrrolidone, N-methyl-2-pyrrolidone (NMP)	All	0.1% by weight (1000 ppm) of the packaging item	Adhesive	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 20.06.2011)
30	N,N-dimethylacetamide (DMAC)	All	0.1% by weight (1000 ppm) of the packaging item	Unreacted process chemical	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 19.12.2011)
31	Butyl benzyl phthalate (BBP)	All	0.1% by weight (1000 ppm) of the packaging item	Plasticizer, dye, pigment, paint, ink, adhesive	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 28.10.2008)
32	Bis(2-ethylhexyl) phthalate (DEHP)	All	0.1% by weight (1000 ppm) of the packaging item	Plasticizer, dye, pigment, paint, ink, adhesive	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 28.10.2008)

No.	Substance/ Category	Reportable Application(s)	Threshold Level (Reporting level)	Examples of Use	Key Legal and Regulatory or Industry Standard/ Agreement Citation
33	Dibutyl phthalate (DBP)	All	0.1% by weight (1000 ppm) of the packaging item	Plasticizer, dye, pigment, paint, ink, adhesive	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 28.10.2008)
34	Diisobutyl phthalate (DIBP)	All	0.1% by weight (1000 ppm) of the packaging item	Plasticizer, dye, pigment, paint, ink, adhesive	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 13.01.2010)
35	1,2-Benzene dicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (Diisoheptyl phthalate DIHP)	All	0.1% by weight (1000 ppm) of the packaging item	Plasticizer	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 20.06.2011)
36	1,2-Benzene dicarboxylic acid, di-C7-11-branched and linear alkyl esters (Di-(heptyl, nonyl, undecyl) phthalate - DHNUP)	All	0.1% by weight (1000 ppm) of the packaging item	Plasticizer	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 20.06.2011)
37	Polyvinyl chloride (PVC)	All	0.1% by weight (1000 ppm) of the packaging item	Insulator, transparency, sheath material, tamper-proof labels, clam-shell packs	IEEE1680 (EPEAT: Electronic Product Environmental Assessment Tool); ECMA-370, 8.2.1; Blue Angel; Nordic Swan

No.	Substance/ Category	Reportable Application(s)	Threshold Level (Reporting level)	Examples of Use	Key Legal and Regulatory or Industry Standard/ Agreement Citation
38	Shortchain chlorinated paraffins (C10 - C13)	All	0.1% by weight (1000 ppm) of the packaging item	Plasticizer for PVC, flame retardant	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 28.10.2008); Norway Product Regulations FOR-2004-06-01-922; Swiss Ordinance on Reduction of Risk from Chemical Products
39	Tetraboron disodium heptaoxide, hydrate	All	0.1% by weight (1000 ppm) of the packaging item	In wood veneers/ pressed wooden panels as starch additive, flame retardant and stabilizer in amino plastic resin, wood preservative	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 18.06.2010)
40	4-(1,1,3,3- tetramethylbutyl) phenol,(4-tert- Octylphenol)	All	0.1% by weight (1000 ppm) of the packaging item	Unreacted process chemical	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 19.12.2011)
41	Triethyl arsenate	All	0.1% by weight (1000 ppm) of the packaging item	Flame retardant, biocide	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 28.10.2008)
42	Trilead diarsenate	All	0.1% by weight (1000 ppm) of the packaging item	Wood preservative	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 19.12.2011)

No.	Substance/ Category	Reportable Application(s)	Threshold Level (Reporting level)	Examples of Use	Key Legal and Regulatory or Industry Standard/ Agreement Citation
43	Tris (2-chloroethyl) phosphate (TCEP)	All	0.1% by weight (1000 ppm) of the packaging item	Flame retardant, biocide	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006 (Candidate list of SVHC for authorization 13.01.2010)