

## List of SSMC Banned Materials with Restriction to Use

S/N	Declarable Substances	SSMC Threshold (units)	Remarks
1	Aldehydes	0.09 ppm 0.05 ppm in hard wood plywood	
2	Antimony Oxides	900 ppm	
3	Arsenic and its compounds (As)	25 ppm 10 ppm in packaging	
4	Asbestos	Intentionally added	
5	Azocolorants and azodyes which form certain aromatic amines (Azo-based materials)	Intentionally added	
6	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	1000 ppm	
7	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	1000 ppm	
8	BenzoTriazole	50 ppm	
9	Beryllium and its compounds (Be)	1000 ppm	
10	4-[4,4'-bis(dimethylamino)benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride	1000 ppm	
11	Bis(2-methoxyethyl) ether	1000 ppm	
12	Bis(2-methoxyethyl) phthalate	1000 ppm	
13	Boric acid	1000 ppm	
14	Cadmium and its compounds	5 ppm	
15	Carcinogens Mutagens & Reproductive Toxins (CMR's)	1000 ppm	Except for NMP suppliers
16	Certain Ethylene Glycol Ethers	Intentionally added	
17	Chlorinated + Brominated Compounds	900 ppm	
18	Chlorinated hydrocarbons (CHC's)/Aliphatic chain < C10	900 ppm	
19	Chlorinated paraffins (CP's), chain ≥ C10	100 ppm	
20	Chromium (VI) and its compounds	100 ppm	
21	Cobalt & its compounds	1000 ppm	
22	Diarsenic pentoxide	1000 ppm	

S/N	Declarable Substances	SSMC Threshold (units)	Remarks
23	Diarsenic trioxide	1000 ppm	
24	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	1000 ppm	
25	N,N-dimethylacetamide (DMAC)	1000 ppm	
26	Dibutyltin Compounds (DBT)	5 ppm	
27	Diisobutyl phthalate (DIBP)	1000 ppm	
28	Dimethyl fumarate (MDF)	0.1 ppm	
29	Dioctyltin Compounds (DOT)	1000 ppm	
30	Disodium tetraborate, anhydrous	1000 ppm	
31	Endangered species of flora and fauna	Intentionally added	Refer to <a href="http://www.cites.org/">HTTP://WWW.CITES.ORG/</a>
32	Expanded Polystyrene (EPS), specified substance	Intentionally added	
33	Fluorinated Greenhouse Gases (PFC, SF6, HFC)	Intentionally added	Except for PFC gas suppliers
34	Fluorotelomers	50 ppm	Threshold limit = 36240 ppm for developer suppliers
35	Formaldehyde	Intentionally added 75 ppm of textile product	Threshold limit = 50 ppm for photoresist suppliers
36	Halogenated - Diphenyl Methanes / - Benzyltoluenes / -Diarylalkanes	10 ppm	
37	Halogenated Benzenes (excl. Hexachlorobenzene)	50 ppm	
38	Halogenated Dioxins and Furans (PBDD, PBDF, PCDD, PCDF)	0.005 ppm	
39	Hexabromocyclododecane (HBCDD) and all major diastereoisomers	1000 ppm	
40	Hexachlorobenzene (HCB), specified substance	0.020 ppm	
41	Lead and its compounds	100 ppm in metal 20 ppm in non-metal	
42	Lead chromate	1000 ppm	
43	Lead chromate molybdate sulphate red	1000 ppm	
44	Lead chromate molybdate sulphate yellow	1000 ppm	
45	Mercury and its compounds	1000 ppm of homogeneous materials 1 ppm of battery	

S/N	Declarable Substances	SSMC Threshold (units)	Remarks
46	Metal carbonyls	1000 ppm	
47	Mineral and ceramic fibers (excl. Asbestos)	10 ppm	
48	Natural rubber (latex)	100 ppm	
49	Nickel & its compounds	Intentionally added	
50	Nitrides separating substances	1000 ppm	
51	Nitrosamines	1000 ppm	
52	Nonylphenols (NP's) & Nonylphenol Ethoxylates (NPE's)	50 ppm	
53	Organic Tin Compounds	5 ppm	
54	Ozone Depleting Substances	Intentionally added	
55	Pentachlorophenol (PCP) and its salts and esters	5 ppm	
56	Pentazinc chromate octahydroxide	1000 ppm	
57	Perchlorates	0.006 ppm	
58	Perfluorinated carboxylic acid (PFCA) and its derivatives	50 ppm	
59	Perfluoro Alkyl Sulfonates (PFAS) and derivatives	50 ppm	Threshold limit = 2600 ppm for photo acid generator suppliers
60	Perfluorooctane sulfonate (PFOS)	1000 ppm	
61	Perfluorooctanoic acid (PFOA)	Intentionally added	
62	Persistent, Bioaccumulative and Inherently Toxic Substances (PBiT's) and very Persistent and very Bioaccumulative Substances (vPvB's)	1000 ppm	
63	Pesticides/herbicides/insecticides	1000 ppm	Except for works on gardening or pest control purposes only
64	Phenol,2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	Intentionally added	
65	Phenols	50 ppm	
66	Phthalates	100 ppm	
67	Polybrominated Biphenyls (PBB's) and their Ethers/Oxides	10 ppm	
68	Polybrominated diphenylethers (PBDEs)	Intentionally added or 1000 ppm in homogeneous material	
69	Polychlorinated Biphenyls (PCB's) and specific substitutes	Intentionally added	
70	Polychlorinated diphenylethers (PCDEs)	5 ppm	

S/N	Declarable Substances	SSMC Threshold (units)	Remarks
71	Polychlorinated Naphthalenes (PCN) (more than 3 chlorine atoms)	Intentionally added	
72	Polychlorinated Terphenyls (PCTs)	5 ppm	
73	Polycyclic aromatic compounds (PAC's)	1 ppm	
74	Polyvinyl chloride (PVC) for product packing material	Intentionally added	
75	Potassium hydroxyoctaoxodizincate dichromate	1000 ppm	
76	Radioactive Substances	Intentionally added	
77	Refractory Ceramic Fibers, Aluminosilicate	1000 ppm	
78	Refractory Ceramic Fibers, Zirconia Aluminosilicate	1000 ppm	
79	Residual monomers	5 ppm	Threshold limit = 1000 ppm for photoresist
80	Selected Phthalates Group 1 (BBP, DBP, DEHP)	100 ppm	
81	Selected Phthalates Group 2 (DIDP, DINP, DNOP)	100 ppm	
82	Selenium and its compounds (Se)	100 ppm	
83	Shortchain Chlorinated Paraffins	Intentionally added	
84	Substances that may cause skin sensitization	1000 ppm	
85	Tetraboron disodium heptaoxide, hydrate	1000 ppm	
86	4-(1,1,3,3-tetramethylbutyl)phenol,(4-tert-Octylphenol)	1000 ppm	
87	Toxic glycol ethers	1 ppm	
88	Tri-(2,3-dibromo-propyl)phosphate (TRIS)	10 ppm	
89	Tributyl Tin Oxide (TBTO)	Intentionally added	
90	Tributyl Tin, Triphenyl Tin and oxides	Intentionally added	
91	Trichloroethylene	1000 ppm	
92	Triclosan	10 ppm	
93	Tris (2-chloroethyl) phosphate (TCEP)	1000 ppm	
94	Tris(1-aziridiny)phosphine oxide (TEPA)	10 ppm	
95	Tri-substituted organostannic compounds	Intentionally added or 1000 ppm of tin in a material	