

## UTAC Environment Compliance Checklist

Suppliers must understand, implement and monitor chemical substance laws world wide to ensure that products sold to UTAC are compliant with such laws. Such chemical substances laws include but are not limited to the following and their implementing regulations : Restriction of the use of Hazardous Substances Directive (RoHS), the Registration, Evaluation, and the Authorization of Chemicals (REACH) and analogous and applicable laws (" Chemical Substance Laws")

Should any materials contain substances with ppm amount beyond the requirements stated in this list, supplier shall inform UTAC for their necessary actions regarding shipment of these products to UTAC and to their customers.

### EU Restriction of the use of Hazardous Substances Directive (RoHS)

S/N	Substance Category Name	Threshold	Regulation	EC No.	CAS No.	Do any of the products you supply include this substance ? Please indicate "YES" or "NO"	If yes, list the estimated amount (ppm) or percentage (w/w %)	State the Product P/N which include the substance	Remarks
1	Cadmium/cadmium compounds	0.01% by weight (100 ppm) of homogeneous materials	EU RoHS EU REACH Article 59(10) EU REACH Annex XIV EU REACH Annex XVII	231-152-8	7440-43-9	No			
2	Chromium VI compounds	0.1% by weight (1 000 ppm) of homogeneous materials	EU RoHS EU REACH ANNEX XVII	-	18540-29-9	No			
3	Lead/lead compounds	0.1% by weight (1 000 ppm) of homogeneous materials	EU RoHS EU REACH ANNEX XVII	-	7439-92-1	No			
4	Mercury/mercury compounds	0.1% by weight (1 000 ppm) of homogeneous materials	EU RoHS EU REACH ANNEX XVII	-	7439-97-6	No			
5	Polybrominated biphenyls (PBBs)	0.1% by weight (1 000 ppm) of homogeneous materials	EU RoHS EU REACH ANNEX XVII	-	59536-65-1	No			
6	Polybrominated diphenyl ethers (PBDEs)	0.1% by weight (1 000 ppm) of homogeneous materials	EU RoHS	-	32534-81-9.	No			
7	Bis (2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1 000 ppm) of the product	EU RoHS EU REACH Article 59(10) EU REACH ANNEX XIV EU REACH ANNEX XVII	204-211-0	117-81-7	No			
8	Dibutyl phthalate (DBP)	0.1% by weight (1 000 ppm) of the product	EU RoHS EU REACH Article 59(10) EU REACH ANNEX XIV EU REACH ANNEX XVII	201-557-4	84-74-2	No			
9	Benzyl butyl phthalate (BBP)	0.1% by weight (1 000 ppm) of the product	EU RoHS EU REACH Article 59(10) EU REACH ANNEX XIV EU REACH ANNEX XVII	201-622-7	85-68-7	No			
10	Diisobutyl phthalate (DIBP)	0.1% by weight (1 000 ppm) of the product	EU RoHS EU REACH Article 59(10) EU REACH ANNEX XIV	201-553-2	84-69-5	No			

EU REACH Candidates List ( 205 Substances )

S/N	Substance Category Name	Threshold	Regulation	EC No.	CAS No.	Do any of the products you supply include this substance? Please indicate "YES" or "NO"	If yes, list the estimated amount (ppm) or percentage (w/w %)	State the Product P/N which include the substance	Remarks
1	4,4'-isopropylidenediphenol	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XVII	201-245-8	80-05-7	No			
2	4-heptylphenol, branched and linear	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
3	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
	Ammonium nonadecafluorodecanoate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	221-470-5	3108-42-7	No			
	Decanoic acid, nonadecafluoro-, sodium salt	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
4	p-(1,1-dimethylpropyl)phenol	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	201-280-9	80-46-6	No			
5	Benzo[def]chrysene (Benzo[a]pyrene)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	200-028-5	50-32-8	No			
6	1,3-propanesultone	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	214-317-9	1120-71-4	No			
7	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	223-383-8	3864-99-1	No			
8	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	253-037-1	36437-37-3	No			
9	Nitrobenzene	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-116-0	98-95-3	No			
10	Perfluorononan-1-ol-acid and its sodium and ammonium salts	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
11	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	272-013-1	86848-93-1	No			
	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	271-094-0	68515-51-5	No			
12	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1]	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
	5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
13	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	247-384-8	25973-55-1	No			
14	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	223-346-6	3846-71-7	No			
15	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XVII	239-622-4	15571-58-1	No			
16	Cadmium fluoride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XVII	232-222-0	7790-79-6	No			
17	Cadmium sulphate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XVII	233-331-6	10124-36-4, 31119-53-6	No			
18	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]bis(4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTTE)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
19	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	271-093-5	68515-50-4	No			
20	Cadmium chloride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XVII	233-296-7	10108-64-2	No			
21	Sodium perborate, perboric acid, sodium salt	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
	Perboric acid, sodium salt	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	234-390-0	11138-47-9	No			
	Sodium perborate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	239-172-9	15120-21-5	No			
22	Sodium peroxometaborate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	231-856-4	7632-04-4	No			
23	Cadmium sulphide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	215-147-8	1306-23-6	No			
24	Dihexyl phthalate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	201-559-5	84-75-3	No			
25	Disodium 3,3'-[[1,1'-biphenyl-4,4'-diyl]bis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	209-358-4	573-58-0	No			
26	Disodium 4-amino-3-[[4'-[[2,4-diaminophenyl]azo]]1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-[phenylazo]naphthalene-2,7-disulphonate (C.I. Direct Black 38)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	217-710-3	1937-37-7	No			
27	Imidazolidine-2-thione (2-imidazoline-2-thiol)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-506-9	96-45-7	No			
28	Lead di(acetate)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	206-104-4	301-04-2	No			
29	Trioxyl phosphate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	246-677-8	25155-23-1	No			
30	4-Nonylphenol, branched and linear, ethoxylated	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
31	Ammonium pentadecafluorooctanoate (APFO)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	223-320-4	3825-26-1	No			
32	Cadmium	0.1% by weight (1 000 ppm) of the product	EU RoHS EU REACH Article 59(10) EU REACH Annex XIV EU REACH Annex XVII	231-152-8	7440-43-9	No			
33	Cadmium oxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	215-146-2	1306-19-0	No			
34	Dipentyl phthalate (DPP)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	205-017-9	131-18-0	No			
35	Pentadecafluorooctanoic acid (PFOA)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	206-397-9	335-67-1	No			
36	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	284-032-2	84777-06-0	No			
37	1,2-dithoxyethane	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	211-076-1	629-14-1	No			
38	1-bromopropane (n-propyl bromide)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	203-445-0	106-94-5	No			
39	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	421-150-7	143860-04-2	No			
40	4,4'-methylene-di-o-toluidine	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	212-658-8	838-88-0	No			
41	4,4'-oxydianiline and its salts	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
	4,4'-oxydianiline	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-977-0	101-80-4	No			
42	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
43	4-aminobenzene	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	200-453-6	60-09-3	No			
44	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-453-1	95-80-7	No			
45	4-Nonylphenol, branched and linear	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
46	6-methoxy-m-toluidine (p-cresidine)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	204-419-1	120-71-8	No			
47	[Phthalato(2-)]dioxotrilead	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	273-688-5	69011-06-9	No			
48	Acetic acid, lead salt, basic	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	257-175-3	51404-69-4	No			
49	Biphenyl-4-ylamine	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-177-1	92-67-1	No			
50	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	214-604-9	1163-19-5	No			
51	Cyclohexane-1,2-dicarboxylic anhydride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
	trans-cyclohexane-1,2-dicarboxylic anhydride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	238-009-9	14166-21-3	No			
	cis-cyclohexane-1,2-dicarboxylic anhydride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	236-086-3	13149-00-3	No			
	Cyclohexane-1,2-dicarboxylic anhydride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	201-604-9	85-42-7	No			

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52	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	204-650-8	123-77-3	No			
53	Dibutyltin dichloride (DBTC)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	211-670-0	863-18-1	No			
54	Diethyl sulphate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	200-589-6	64-67-5	No			
55	Diisopentyl phthalate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	210-088-4	605-50-5	No			
56	Dimethyl sulphate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	201-058-1	77-78-1	No			
57	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	201-861-7	88-85-7	No			
58	Dioxybis(stearato)trilead	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	235-702-8	12578-12-0	No			
59	Fatty acids, C16-18, lead salts	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	292-966-7	91031-62-8	No			
60	Furan	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	203-727-3	110-00-9	No			
61	Henicosfluoroundecanoic acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	218-165-4	2058-94-8	No			
62	Heptacosfluorotetradecanoic acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	206-803-4	376-06-7	No			
63	Hexahydromethylphthalic anhydride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
	Hexahydro-4-methylphthalic anhydride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	243-072-0	19438-60-9	No			
	Hexahydro-3-methylphthalic anhydride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	260-566-1	57110-29-9	No			
	Hexahydro-1-methylphthalic anhydride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	256-356-4	48122-14-1	No			
	Hexahydromethylphthalic anhydride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	247-094-1	25550-51-0	No			
64	Lead bis(tetrafluoroborate)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	237-486-0	13814-86-5	No			
65	Lead cyanamidate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	244-073-9	20837-86-9	No			
66	Lead dinitrate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	233-245-9	10099-74-8	No			
67	Lead monoxide (lead oxide)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	215-267-0	1317-36-8	No			
68	Lead oxide sulfate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	234-853-7	12036-76-9	No			
69	Lead titanium trioxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	235-038-9	12060-00-3	No			
70	Lead titanium zirconium oxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	235-727-4	12626-81-2	No			
71	Methoxyacetic acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	210-894-6	825-45-6	No			
72	Methylirane (Propylene oxide)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	200-879-2	75-56-9	No			
73	N,N-dimethylformamide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	200-679-5	68-12-2	No			
74	N-methylacetamide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	201-182-6	79-16-3	No			
75	N-pentyl-isopentylphthalate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	776297-69-9	No			
76	o-aminotoluene	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-591-2	97-56-3	No			
77	o-toluidine	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-429-0	95-53-4	No			
78	Orange lead (lead tetroxide)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	215-235-6	1314-41-6	No			
79	Pentacosfluorotridecanoic acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	276-745-2	72629-94-8	No			
80	Pentalead tetraoxide sulphate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	235-067-7	12065-90-6	No			
81	Pyrochlore, antimony lead yellow	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH Annex XVII	232-382-1	8012-00-8	No			
82	Silicic acid (H2Si2O5), barium salt (1-1), lead-doped	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	272-271-5	68784-75-8	No			
83	Silicic acid, lead salt	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	234-363-3	11120-22-2	No			
84	Sulfurous acid, lead salt, dibasic	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	263-467-1	62229-08-7	No			
85	Tetraethyllead	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	201-075-4	78-00-2	No			
86	Tetralead trioxide sulphate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	235-380-9	12202-17-4	No			
87	Tricosfluorododecanoic acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	206-203-2	307-55-1	No			
88	Trilead bis(carbonate) dihydroxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX VII	215-290-6	1319-46-6	No			
89	Trilead dioxide phosphonate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	235-252-2	12141-20-7	No			
90	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	203-977-3	112-49-2	No			
91	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	203-794-9	110-71-4	No			
92	1,3,5-Tris[oxiran-2-ylmethyl]-1,3,5-triazine-2,4,6-trione (TGIC)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	219-514-3	2451-62-9	No			
93	1,3,5-Tris[2S and 2R]-2,3-epoxypropyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (p-TGIC)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	423-400-0	99653-74-6	No			
94	4,4'-bis(dimethylamino)-4",-(methylamino)trityl alcohol	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	209-218-2	561-41-1	No			
95	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-027-5	90-94-8	No			
96	[4-[4,4'-bis(dimethylamino)benzylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	208-953-6	548-62-9	No			
97	[4-[4-anilino-1-naphthyl[4-(dimethylamino)phenyl]methylen]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	219-943-6	2580-56-5	No			
98	Diboron trioxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	215-125-8	1303-86-2	No			
99	Formamide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	200-842-0	75-12-7	No			
100	Lead(II) bis(methanesulfonate)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	401-750-5	17570-76-2	No			
101	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-959-2	101-61-1	No			
102	o,o-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)inaphthalene-1,6-dithiol (C.I. Solvent Blue 4) with >= 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	229-851-8	6786-83-0	No			
103	1,2-dichloroethane	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	203-458-1	107-06-2	No			
104	2,2'-dichloro-4,4'-methylenedianiline	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-918-9	101-14-4	No			
105	2-Methoxyaniline, o-Anisidine	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	201-963-1	90-04-0	No			
106	4-(1,1,3,3-tetramethylbutyl)phenol	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	205-426-2	140-66-9	No			
107	Aluminosilicate Refractory Ceramic Fibres	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
108	Arsenic acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH Annex XVII	231-901-9	7778-39-4	No			
109	Bis(2-methoxyethyl) ether	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	203-924-4	111-96-6	No			
110	Bis(2-methoxyethyl) phthalate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	204-212-6	117-82-8	No			

S/N	Substance Category Name	Threshold	Regulation	EC No.	CAS No.	Do any of the products you supply include this substance? Please indicate "YES" or "NO"	If yes, list the estimated amount (ppm) or percentage (w/w %)	State the Product P/N which include the substance	Remarks
111	Calcium arsenate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH Annex XVII	231-904-5	7778-44-1	No			
112	Dichromium tris(chromate)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	246-356-2	24613-69-6	No			
113	Formaldehyde, oligomeric reaction products with aniline	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	500-036-1	25214-70-4	No			
114	Lead diazide, Lead azide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	236-542-1	13424-46-9	No			
115	Lead dipicrate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	229-335-2	6477-64-1	No			
116	Lead styphnate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	239-290-0	15245-44-0	No			
117	N,N-dimethylacetamide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	204-826-4	127-19-5	No			
118	Pentazinc chromate octahydroxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	266-418-0	49663-84-5	No			
119	Phenolphthalein	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	201-004-7	77-09-8	No			
120	Potassium hydroxyoctaoxodizincatedichromate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	234-329-8	11103-86-9	No			
121	Trilead diarsenate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH Annex XVII	222-979-5	3687-31-8	No			
122	Zirconia Aluminosilicate Refractory Ceramic Fibres	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
123	1,2,3-trichloropropane	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	202-486-1	96-18-4	No			
124	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	276-158-1	71888-89-6	No			
125	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	271-094-6	88515-42-4	No			
126	1-Methyl-2-pyrrolidone (NMP)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	212-828-1	872-50-4	No			
127	2-ethoxyethyl acetate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	203-839-2	111-15-9	No			
128	Hydrazine	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	206-114-9	302-01-2, 7803-57-8	No			
129	Strontium chromate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	232-142-6	7789-06-2	No			
130	2-ethoxyethanol	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	203-804-1	110-80-5	No			
131	2-methoxyethanol	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	203-713-7	109-86-4	No			
132	Acids generated from chromium trioxide and their oligomers	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	-	-	No			
	Dichromic acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	236-881-5	7738-04-5	No			
	Oligomers of chromic acid and dichromic acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	-	-	No			
	Chromic acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	231-801-5	13530-68-2	No			
133	Chromium trioxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	215-607-8	1333-82-0	No			
134	Cobalt(II) carbonate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	208-169-4	513-79-1	No			
135	Cobalt(II) diacetate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	200-755-8	71-48-7	No			
136	Cobalt(II) dintrate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	233-402-1	10141-05-6	No			
137	Cobalt(II) sulphate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	233-334-2	10124-43-3	No			
138	Ammonium dichromate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	232-143-1	7789-09-5	No			
139	Boric acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
	Boric acid, crude natural	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	234-343-4	11113-50-1	No			
	Boric acid	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	233-139-2	10043-35-3	No			
140	Disodium tetraborate, anhydrous	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	215-540-4	12179-04-3, 1303-96-4, 1330-43-4	No			
141	Potassium chromate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	232-140-5	7789-00-6	No			
142	Potassium dichromate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	231-906-6	7778-50-9	No			
143	Sodium chromate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	231-889-5	7775-11-3	No			
144	Tetraboron disodium heptaoxide, hydrate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	235-541-3	12267-73-1	No			
145	Trichloroethylene	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH Annex XIV	201-167-4	79-01-6	No			
146	Acrylamide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH Annex XIV EU REACH Annex XVII	201-173-7	79-06-1	No			
147	2,4-dinitrotoluene	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	204-450-0	121-14-2	No			
148	Anthracene oil	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH Annex XVII	292-602-7	90640-80-5	No			
149	Anthracene oil, anthracene paste	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	292-603-2	90640-81-6	No			
150	Anthracene oil, anthracene paste, anthracene fraction	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	295-275-9	91995-15-2	No			
151	Anthracene oil, anthracene paste, distn, lights	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	295-278-5	91995-17-4	No			
152	Anthracene oil, anthracene-low	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	292-604-8	90640-82-7	No			
153	Diisobutyl phthalate	0.1% by weight (1 000 ppm) of the product	Eu RoHS EU REACH Article 59(10) EU REACH ANNEX XIV	201-553-2	84-69-5	No			
154	Lead chromate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	231-846-0	7758-97-6	No			
155	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	235-759-9	12656-85-8	No			
156	Lead sulfchromate yellow (C.I. Pigment Yellow 34)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	215-693-7	1344-37-2	No			
157	Pitch, coal tar, high-temp.	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	266-028-2	65996-93-2	No			
158	Tris(2-chloroethyl) phosphate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	204-118-5	115-96-8	No			
159	4,4'- Diaminodiphenylmethane (MDA)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	202-974-4	101-77-9	No			
160	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	201-329-4	81-15-2	No			
161	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH Annex XVII	287-476-5	85535-84-8	No			
162	Anthracene	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XVII	204-371-1	120-12-7	No			
163	Benzyl butyl phthalate (BBP)	0.1% by weight (1 000 ppm) of the product	EU RoHS EU REACH Article 59(10) EU REACH ANNEX XIV EU REACH ANNEX XVII	201-622-7	85-68-7	No			
164	Bis (2-ethylhexyl)phthalate (DEHP)	0.1% by weight (1 000 ppm) of the product	EU RoHS EU REACH Article 59(10) EU REACH ANNEX XIV	204-211-0	117-81-7	No			
165	Bis(tributyltin) oxide (TBTO)	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	200-268-0	56-35-9	No			

S/N	Substance Category Name	Threshold	Regulation	EC No.	CAS No.	Do any of the products you supply include this substance? Please indicate "YES" or "No"	If yes, list the estimated amount (ppm) or percentage (w/w %)	State the Product P/N which include the substance	Remarks
166	Cobalt dichloride	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	231-689-4	7646-70-9	No			
167	Diarsenic pentaoxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV EU REACH ANNEX XVII	215-116-9	1303-28-2	No			
168	Diarsenic trioxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV EU REACH ANNEX XVII	215-481-4	1327-53-3	No			
169	Dibutyl phthalate (DBP)	0.1% by weight (1 000 ppm) of the product	EU RoHS EU REACH Article 59(10) EU REACH ANNEX XIV EU REACH ANNEX XVII	201-557-4	84-74-2	No			
170	Hexabromocyclododecane (HBCDD)	0.01% by weight (100 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	-	-	No			
	gamma-hexabromocyclododecane	0.01% by weight (100 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	-	134237-52-8	No			
	beta-hexabromocyclododecane	0.01% by weight (100 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	-	134237-51-7	No			
	Hexabromocyclododecane	0.01% by weight (100 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	247-148-4	25637-99-4	No			
	1,2,5,6,8,10-hexabromocyclododecane	0.01% by weight (100 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	221-695-9	3194-55-6	No			
171	alpha-hexabromocyclododecane	0.01% by weight (100 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	-	134237-50-6	No			
172	Lead hydrogen arsenate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XVII	232-064-2	7784-40-9	No			
173	Sodium dichromate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10) EU REACH ANNEX XIV	234-190-3	10588-01-9, 7789-12-0	No			
174	Triethyl arsenate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	427-700-2	15606-05-8	No			
175	Perfluorohexane-1-sulphonic acid and its salts	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	-	-	No			
176	Chrysene	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	205-923-4	218-01-9	No			
177	Benz[a]anthracene	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	200-280-6	56-55-3	No			
178	Cadmium nitrate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	244-168-5	21041-95-2	No			
179	Cadmium hydroxide	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	244-168-5	21041-95-2	No			
180	Cadmium carbonate	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	208-168-9	513-78-0	No			
181	1,6,7,8,9,14,15,16,17,18-18-Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus TM" [covering any of its individual anti- and syn-isomers or any combination thereof])	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
182	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	0.1% by weight (1 000 ppm) of the product	EU REACH Article 59(10)	-	-	No			
183	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	209-008-0	552-30-7	No			
184	Benzofluoranthene	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	205-883-8	191-24-2	No			
185	Decamethylcyclotetrasiloxane	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	208-764-9	541-02-6	No			
186	Dicyclohexyl phthalate	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	201-545-9	84-61-7	No			
187	Disodium octaborate	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	234-641-0	12008-41-2	No			
188	Dodecamethylcyclohexasiloxane	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	208-762-8	540-97-6	No			
189	Ethylenediamine	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	203-468-6	107-15-3	No			
190	Lead	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	231-100-4	7439-92-1	No			
191	Octamethylcyclotetrasiloxane	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	209-136-7	556-67-2	No			
192	Tarphenyl, hydrogenated	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	262-967-7	61788-32-7	No			
193	2,2-bis(4-hydroxyphenyl)-4-methylpentane (Bisphenol P)	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57c)	401-720-1	6807-17-6	No			
194	Benzofluoranthene	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	205-916-6	207-08-9	No			
195	Fluoranthene	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	205-912-4	206-44-0	No			
196	Phenanthrene	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	201-581-5	85-01-8	No			
197	Pyrene	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57e)	204-927-3	129-00-0	No			
198	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57f)	238-139-9	15087-24-8	No			
199	2-methoxyethyl acetate	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57f)	203-772-9	110-49-6	No			
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57f)	-	-	No			
201	2,3,3,3-tetrafluoro-2-(hexafluoroisopropyl)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations)	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57f)	-	-	No			
202	4-tert-butylphenol	0.1% by weight (1 000 ppm) of the product	vPvB (Article 57f)	202-679-0	98-54-4	No			
203	2-benzyl-2-dimethylamino-4-morpholinobutyrophenone	0.1% by weight (1 000 ppm) of the product	Toxic for reproduction (Article 57c)	404-360-3	119313-12-1	No			
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	0.1% by weight (1 000 ppm) of the product	Toxic for reproduction (Article 57c)	400-600-6	71868-10-5	No			
205	Diisohexyl phthalate	0.1% by weight (1 000 ppm) of the product	Toxic for reproduction (Article 57c)	276-090-2	71850-09-4	No			
205	Perfluorobutane sulfonic acid (PFBS) and its salts	0.1% by weight (1 000 ppm) of the product	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)	-	-	No			

EU REACH ANNEX XVII-Restriction List (70 Substances)

Entry No.	Substance Category Name	Threshold	Regulation	EC No.	CAS No.	Do any of the products you supply include this substance? Please indicate "YES" or "NO"	If yes, list the estimated amount (ppm) or percentage (w/w %)	State the Product P/N which include the substance	Remarks
01	Polychlorinated terphenyls (PCTs)	Restricted	EU REACH Annex XVII	-	-	No			
02	Chloroethene, Chloroethylene (Vinyl chloride)	Restricted	EU REACH Annex XVII	200-831-0	75-01-4	No			
03	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex 1 to Regulation (EC) No 1272/2008 (See group members): Hazard class 4.1, Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10, Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F, Hazard class 5.1.	Restricted	EU REACH Annex XVII	-	-	No			
04	Tris (2,3 dibromopropyl) phosphate	Restricted	EU REACH Annex XVII	-	126-72-7	No			
05	Benzene	Restricted	EU REACH Annex XVII	200-753-7	71-43-2	No			
06	Asbestos fibres	Restricted	EU REACH Annex XVII	-	-	No			
	Actinolite	Restricted	EU REACH Annex XVII	-	77536-66-4	No			
	Tremolite	Restricted	EU REACH Annex XVII	-	77536-68-6	No			
	Crocidolite	Restricted	EU REACH Annex XVII	-	12001-28-4	No			
	Amosite	Restricted	EU REACH Annex XVII	-	12172-73-5	No			
	Chrysotile	Restricted	EU REACH Annex XVII	-	12001-29-5, 132207-32-0	No			
	Anthophyllite	Restricted	EU REACH Annex XVII	-	77536-67-5	No			
07	Tri(aziridinyl)phosphin oxide	Restricted	EU REACH Annex XVII	208-892-5	545-55-1	No			
08	Polybromobiphenyls, Polybrominatedbiphenyls (PBB)	Restricted	EU REACH Annex XVII	-	59536-65-1	No			
09	Entry 9 Benzidine and / or its derivatives	Restricted	EU REACH Annex XVII	-	-	No			
	Powder of the roots of Helleborus viridis and Helleborus niger	Restricted	EU REACH Annex XVII	-	-	No			
	o-Nitrobenzaldehyde	Restricted	EU REACH Annex XVII	209-025-3	552-89-6	No			
	Wood powder	Restricted	EU REACH Annex XVII	-	-	No			
	Soap bark powder (Quillaja saponaria) and its derivatives containing saponines	Restricted	EU REACH Annex XVII	273-620-4	68990-67-0	No			
	Powder of the roots of Veratrum album and Veratrum nigrum	Restricted	EU REACH Annex XVII	-	-	No			
10	Ammonium polysulphide, Ammonium sulphide, Ammonium hydrogen sulphide	Restricted	EU REACH Annex XVII	232-989-1, 235-223-4, 235-184-3	9080-17-5, 12135-76-1, 12124-99-1	No			
11	Volatile esters of bromoacetic acids, Propyl bromoacetate, Ethyl bromoacetate, Methyl bromoacetate, Butyl bromoacetate	Restricted	EU REACH Annex XVII	203-290-9, 202-499-2, 242-729-9	35223-80-4, 105-36-2, 96-32-2, 18991-98-5	No			
12	2-naphthylamine and its salts, 2-Naphthylammonium Acetate, 2-Naphthylamine, Salts of 2 - Naphthylamine, 2- Naphthylammonium Chloride	Restricted	EU REACH Annex XVII	209-030-0, 202-080-4, 210-313-6	553-00-4, 91-59-8, 612-52-2	No			
13	Benzidine and its salts, Benzidine, Salts of benzidine	Restricted	EU REACH Annex XVII	202-199-1	92-87-5	No			
14	4-Nitrobiphenyl	Restricted	EU REACH Annex XVII	202-204-7	92-93-3	No			
15	4-Aminobiphenyl xerilamine and its salts, 4-Aminobiphenyl xerilamine	Restricted	EU REACH Annex XVII	202-177-1	92-67-1	No			
16	Lead carbonates, Trilead-bis(carbonate)-Dihydroxide 2 PbCO3-Pb(OH)2, Neutral anhydrous carbonate ( PbCO3)	Restricted	EU REACH Annex XVII	215-290-6, 209-943-4	1319-46-6, 598-63-0	No			
17	Lead sulphates, Sulphur Acid, Lead salt PbSO4, Lead Sulphuric PbSO4	Restricted	EU REACH Annex XVII	239-831-0, 231-198-9	15739-80-7, 7446-14-2	No			
18	Mercury and compounds	Restricted	EU REACH Annex XVII	-	-	No			
18a	Mercury	Restricted	EU REACH Annex XVII	231-106-7	7439-97-6	No			
19	Arsenic compounds (refer to the restricted list of entry 19)	Restricted	EU REACH Annex XVII	-	-	No			
20	Organostannic compounds	Restricted	EU REACH Annex XVII	-	-	No			
21	Di-µ-oxo-di-n-butylstannohydroxyborane / Dibutyltin hydrogen borate C8H19BO3Sn (DBB)	Restricted	EU REACH Annex XVII	401-040-5	75113-37-0	No			
22	Pentachlorophenol and its salts and esters	Restricted	EU REACH Annex XVII	-	-	No			
23	Cadmium and its compounds(refer to the restricted list of entry 23)	Restricted	EU REACH Annex XVII	-	-	No			
24	Monomethyl — tetrachlorodiphenyl methane Trade name: Ulglec 141	Restricted	EU REACH Annex XVII	-	76253-60-6	No			

Entry No.	Substance Category Name	Threshold	Regulation	EC No.	CAS No.	Do any of the products you supply include this substance? Please indicate "YES" or "NO"	If yes, list the estimated amount (ppm) or percentage (w/w %)	State the Product P/N which include the substance	Remarks
25	Monomethyl-dichloro-diphenyl methane Trade name: Uglelec 121, Uglelec 21	Restricted	EU REACH Annex XVII	-	-	No			
26	Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers Trade name: DBBT	Restricted	EU REACH Annex XVII	-	99688-47-8	No			
27	Nickel and its compounds	Restricted	EU REACH Annex XVII	231-111-4	7440-02-0	No			
28	Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and listed as follows (See group members):	Restricted	EU REACH Annex XVII	-	-	No			
29	Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as germ cell mutagen category 1A or 1B (Table 3.1) or mutagen category 1 or 2 (Table 3.2) and listed as follows (See group members):	Restricted	EU REACH Annex XVII	-	-	No			
30	Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively. Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6 Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5	Restricted	EU REACH Annex XVII	-	-	No			
31	Entry 31 Creosote oil, wash oil Tar acids, coal, crude, crude phenols Distillates (coal tar), upper, heavy anthracene oil Distillates (coal tar), naphthalene oils, naphthalene oil Creosote, wood Creosote oil, acenaphthene fraction; wash oil Low temperature tar oil, alkaline, extract residues (coal), low temperature coal tar alkaline Creosote, wash oil Anthracene oil	Restricted	EU REACH Annex XVII	263-047-8 266-019-3 266-026-1 283-484-8 232-419-1 292-605-3 310-191-5 232-287-5 292-602-7	61789-28-4 65996-85-2 65996-85-2 84650-04-4 8021-39-4 90640-84-9 122384-78-5 8001-58-9 90640-80-5	No			
32	Chloroform	Restricted	EU REACH Annex XVII	200-663-8	67-66-3	No			
34	1,1,2-Trichloroethane	Restricted	EU REACH Annex XVII	201-166-9	79-00-5	No			
35	1,1,2,2-Tetrachloroethane	Restricted	EU REACH Annex XVII	201-197-8	79-34-5	No			
36	1,1,1,2-Tetrachloroethane	Restricted	EU REACH Annex XVII	-	630-20-6	No			
37	Pentachloroethane	Restricted	EU REACH Annex XVII	200-925-1	76-01-7	No			
38	1,1-Dichloroethene	Restricted	EU REACH Annex XVII	200-864-0	75-35-4	No			
40	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Restricted	EU REACH Annex XVII	-	-	No			
41	Hexachloroethane	Restricted	EU REACH Annex XVII	200-666-4	67-72-1	No			
43	Azocolourants and Azodyes	Restricted	EU REACH Annex XVII	-	-	No			
45	Diphenylether, octabromo derivative C12H2Br8O	Restricted	EU REACH Annex XVII	-	-	No			
46	Nonylphenol C8H4(OH)C9H19 and Nonylphenol ethoxylates (C2H4O)nC15H24O	Restricted	EU REACH Annex XVII	246-672-0	25154-52-3	No			
46a	Nonylphenol ethoxylates (C2H4O)nC15H24O Nonylphenol, ethoxylated 4-Nonylphenol, ethoxylated Isononylphenol, ethoxylated 4-Nonylphenol, branched, ethoxylated Nonylphenol, branched, ethoxylated	Restricted	EU REACH Annex XVII	500-024-6 500-045-0 609-346-2 500-015-8 500-209-1	9016-45-9 26027-38-3 37205-87-1 127087-87-0 68412-54-4; 37205-87-1	No			
47	Chromium VI compounds	Restricted	EU REACH Annex XVII	-	-	No			
48	Toluene	Restricted	EU REACH Annex XVII	203-625-9	108-88-3	No			
49	Trichlorobenzene	Restricted	EU REACH Annex XVII	204-428-0	120-82-1	No			
50	(a) Polycyclic aromatic hydrocarbons (PAHs): (a) benz[a]pyrene (BaP), (b) Benzo[e]pyrene (BeP) (c) Benzo[a]anthracene (BaA) (d) Chrysen (CHR) (e) Benzo[b]fluoranthene (BbFA) (f) Benzo[k]fluoranthene (BkFA) (g) Benzo[a]fluoranthene (BbFA) (h) Benzo[a]fluoranthene (BbFA) (i) Benzo[a]fluoranthene (BbFA)	Restricted	EU REACH Annex XVII	-	-	No			
51	Phthalates: Dibutyl phthalate (DBP), Benzyl butyl phthalate (BBP), Bis (2-ethylhexyl) phthalate (DEHP)	Restricted	EU REACH Annex XVII	201-557-4, 201-622-7, 204-211-0	84-74-2, 85-68-7, 117-81-7	No			
52	Phthalates: 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich, 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich, Di-"isononyl" phthalate (DINP), Di-"isodecyl" phthalate (DIDP), Di-n-octyl phthalate (DNOP)	Restricted	EU REACH Annex XVII	271-090-9, 271-091-4, 249-079-5, 247-977-1, 204-214-7	68515-48-0, 68515-49-1, 28553-12-0, 26761-40-0, 117-84-0	No			
54	2-(2-methoxyethoxy)ethanol (DEGME)	Restricted	EU REACH Annex XVII	203-906-6	111-77-3	No			
55	2-(2-butoxyethoxy)ethanol (DEGBE)	Restricted	EU REACH Annex XVII	203-961-6	112-34-5	No			
56	Methylenediphenyl diisocyanate (MDI) 2,2'-Methylenediphenyl diisocyanate 4,4'-Methylenediphenyl diisocyanate 2,4'-Methylenediphenyl diisocyanate	Restricted	EU REACH Annex XVII	219-799-4, 247-714-0, 202-986-0, 227-534-9	2536-05-2, 26447-40-5, 101-68-8, 5873-54-1	No			
57	Cyclohexane	Restricted	EU REACH Annex XVII	203-806-2	110-82-7	No			
58	Ammonium nitrate (AN)	Restricted	EU REACH Annex XVII	229-347-8	6484-52-2	No			
59	Dichloromethane	Restricted	EU REACH Annex XVII	200-838-9	75-09-2	No			
60	Acrylamide	Restricted	EU REACH Article 59(10) EU REACH Annex XIV EU REACH Annex XVII	201-173-7	79-06-1	No			
61	Dimethylfumarate (DMF)	Restricted	EU REACH Annex XVII	210-849-0	624-49-7	No			


Entry No.	Substance Category Name	Threshold	Regulation	EC No.	CAS No.	Do any of the products you supply include this substance? Please indicate "YES" or "NO"	If yes, list the estimated amount (ppm) or percentage (w/w %)	State the Product P/N which include the substance	Remarks
62	Phenylmercury 2-ethylhexanoate, Phenylmercury acetate, Phenylmercury neodecanoate, Phenylmercury octanoate, Phenylmercury propionate	Restricted	EU REACH Annex XVII	236-326-7, 200-532-5, 247-783-7, 203-094-3	13302-00-6, 62-38-4, 26545-49-3, 13864-38-5, 103-27-5	No			
63	Lead and its compounds	Restricted	EU REACH Annex XVII	231-100-4	7439-92-1	No			
64	1,4-Dichlorobenzene	Restricted	EU REACH Annex XVII	203-400-5	106-46-7	No			
65	Inorganic ammonium salts	Restricted	EU REACH Annex XVII	-	-	No			
66	4,4'-isopropylidenediphenol	Restricted	EU REACH Article 59(10) EU REACH ANNEX XVII	201-245-8	80-05-7	No			
67	Bis(pentabromophenyl) ether	Restricted	EU REACH Annex XVII	214-604-9	1163-19-5	No			
68	Pentadecafluorooctanoic acid	Restricted	EU REACH Annex XVII	206-397-9	335-67-1	No			
69	Methanol	Restricted	EU REACH Annex XVII	200-659-6	67-56-1	No			
70	Octamethylcyclotetrasiloxane (D4) and Decamethylcyclopentasiloxane (D5)	Restricted	EU REACH Annex XVII	209-136-7 208-764-9	556-67-2 541-02-6	No			
71	1-methyl-2-pyrrolidone	Restricted	EU REACH Annex XVII	212-828-1	872-50-4	No			
72	The following substances which are classified as carcinogenic, mutagenic or toxic for reproduction, category 1 or 1B (See group members) [Entry 72]	Restricted	EU REACH Annex XVII	-	-	No			
73	3,3,4,4,5,5,6,6,7,7,8,8,8-tidecafluorooctylsilanetriol and any of its mono-, di- or tri-O-(alkyl) derivatives	Restricted	EU REACH Annex XVII	-	-	No			



Other Regulations

S/N	Substance Category Name	Threshold	Regulation	EC No.	CAS No.	Do any of the products you supply include this substance? Please indicate "YES" or "NO"	If yes, list the estimated amount (ppm) or percentage (w/w %)	State the Product P/N which include the substance	Remarks
1	Fluorinated greenhouse gases (PFC, SF6, HFC)	Intentional use prohibited	Ozone Layer Law, Montreal Protocol, USFCF tax	-	-	No			
2	Formaldehyde	Intentional use prohibited	DE Chem Verbot V, DK Formaldehyde Regulation	200-001-8	50-00-0	No			
3	Ozone depleting substances (Group I) CFCs (Chlorofluorocarbons) Chlorofluorocarbon-11(CC13F) Trichlorofluoromethane	Intentional use prohibited	Ozone Layer Law Montreal Protocol US CFC tax	-	75-69-4	No			
4	Perchlorates	0.0000006 % by weight (0.006 ppm) of the product	EPA	-	-	No			
5	Perfluorooctane sulfonate (PFOS)	Intentional use prohibited	EU POPs Annex I CSCL POPs Convention	-	-	No			
6	Polychlorinated naphthalenes (more than 3 chlorine atoms)	Intentional use prohibited	EU POPs Annex I CSCL POPs Convention	-	-	No			
7	Radioactive substances	Intentional use prohibited	Radiation Hazard Prevention Act Reactor Regulation Law	-	-	No			
8	Beryllium copper & Beryllium oxide (BeO)	0.1% by weight (1 000 ppm) of the product	Industrial Safety and Health Law WEEE Directive (2002/96/EC) EU Directive (1999/45/EC) Industrial Safety and Health JIG101 Sony-SS-00259	-	-	No			
9	Polyvinyl chloride (PVC)	0.1 % by weight (1 000 ppm) of the product	European Chemical Bureau	-	-	No			
10	Polychlorinated naphthalene (1 or more chlorine atoms)	Intentional use prohibited	EU POPs Annex I CSCL POPs Convention	-	-	No			
11	Hydrochlorofluorocarbons (HCFC)	Intentional use prohibited	EU ODS US CAA	-	-	No			
12	Specific benzotriazole 2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di-tert-butylphenol	Intentional use prohibited	CSCL	-	-	No			
13	Benzenamine, N-phenyl-, reactionproducts with styrene and 2,4,4-trimethylpentene (BNST)	Intentional use prohibited	CEPA1999	-	-	No			
14	Mirex	Prohibited	Stockholm Convention EU Regulation	2385-85-5	-	No			
15	Polychlorinated Biphenyls (PCBs)	Prohibited	JIG101 Sony SS-00259	-	1336-36-3	No			
16	Brominated Flame Retardants	0.09 wt% (900ppm) total bromine content in laminate				No			
17	Chlorinated Flame Retardants	0.09 wt% (900ppm) total chlorine content in laminate				No			
18	4-chloro-o-toluidine; 4-chloro-2-methylaniline				95-69-2	No			
19	2-amino-4-nitrotoluene; 5 nitro-o-toluidine				99-55-8	No			
20	p-chloroaniline				106-47-8	No			
21	2,4-diaminoanisole				615-05-4	No			
22	3,3'-dichlorobenzidine				91-94-1	No			
23	3,3-dimethoxybenzidine				119-90-4	No			
24	3,3-dimethylbenzidine				119-93-7	No			
25	4,4'thiodianiline;4,4'-diaminodiphenylsulfide				139-65-1	No			
26	2,4,5-trimethylaniline				137-17-7	No			
27	Fluoranthene				206-44-0	No			
28	Pyrene				1718-52-1	No			
29	Certain Ethylene Glycol Ethers				-	No			
30	Diethylene glycol dimethyl ether	Prohibited	J REACH Regulation (EC) No 1907/200		-	No			
31	Bis (chloromethyl)ether				542-88-1	No			
32	Chlorine Organic Solvent					No			
33	1,1-Dichloroethylene	Prohibited	J REACH Regulation (EC) No 1907/200		-	No			
34	1,2-Dichloroethylene					No			
35	Tetrachloroethylene					No			
36	Aliphatic, Aromatic & Chlorinated Hydrocarbons				-	No			
37	Halogenated Aliphatic Compounds				-	No			
38	Dichloroethylene				156-59-2;156-60-5, 75-35-4	No			
39	Perchloroethylene				127-18-4	No			
40	Halogenated Aromatic compounds				-	No			
41	2-Chlorophenol	Prohibited	EU Directive 94/60/EC		95-57-8	No			
42	1,3-Dichlorobenzene				94-73-1	No			
43	1,4-Dichlorobenzene				106-46-7	No			
44	1,2-Dichlorobenzene				95-50-1	No			
45	1,2,4-Trichlorobenzene				120-82-1	No			
46	2,4-Dichlorophenol				120-83-2	No			
47	4-Chloroaniline				106-47-8	No			
48	4-Chloro-2-methylphenol				59-50-7	No			
49	2,4,6-Trichlorophenol				88-06-2	No			
50	2,4,5-Trichlorophenol				95-95-4	No			
51	2-Chloronaphthalene				91-58-7	No			
52	4-Chlorophenol phenyl ether				7005-72-3	No			
53	Hexachlorobenzene				118-74-1	No			

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54	3,3-Dichlorobenzidine				91-94-1	No			
55	Selenium & its Compounds	100ppm	EU Directive 2009/48/EC		-	No			
56	Polyfluoroalkyl Substances (PFASs)	Prohibited	International Convention-Stockholm Convention EU REACH US EPA JAPAN CHEMICAL SUBSTANCE CONTROL LAW			No			
57	Long Chain Perfluoroalkyl Sulfonate (PFAS) Sub Category					No			
58	Long Chain Perfluoroalkyl Carboxylate (PFAC) Sub Category					No			

Authorized Person/Name	Siriwan B
Title/ Position :	Environmental Manager
Signature:	
Date:	Sep22'20