

TORAY

TORAY PLASTICS (MALAYSIA) SDN BERHAD

Company Reg. no.: 197901002368 (46619-P)

2628, MK. 1, SPT., Lorong Perusahaan 4, Prai Free Industrial Zone, 13600 Prai, Pulau Pinang, Malaysia.

Tel. No.: +6 04-3988088 (General Line), Fax No.: +6 04-3908975 (Sales/IPC Div.), Website: <http://www.torayplastics.com.my>

To Whom It May Concern:

From : 

SK Teh
General Manager
Technology Centre

Date: 31st January 2024

Dear Valued Customers,

Re: Non-Inclusion of Prohibited Chemical Substances in TORAYCON PBT Resin

We wish to express our deepest appreciation for your excellent support towards our TORAYCON PBT resin. Toray Plastics (Malaysia) Sdn. Bhd. (TPM) herein declares that all resin products as listed in **Table 1: TORAYCON PBT Resins** below supplied by our company to your company and any of its affiliates and subsidiaries follow and comply with the following requirements:

- RoHS Directive 2011/65/EU & Directive (EU) 2015/863
- REACH regulation EC No. 1907/2006
- Banned Phthalate Plasticizers 1999/815/EEC
- Montreal Protocol on Substances that Deplete the Ozone Layer
- Azo Dyes and Pigments Forming Specified Amines 2002/61/EC
- Conflict Mineral of Democratic Republic of the Congo
- Level 1 TPM Prohibited Substances

Chemical substances listed in **Attachment 1: List of Prohibited Chemical Substances (Rev. 28)**, are not intentionally added in any production stage of the mentioned TORAYCON PBT resins, to best of our knowledge.

Table 1: TORAYCON PBT Resins

No.	Grade Name
1.	TORAYCON 1050M
2.	TORAYCON 1100M
3.	TORAYCON 1200M
4.	TORAYCON 1200MF

In view of the many factors that may affect processing and application of our products, these information do not relieve user from carrying out own investigation and test, neither do these data imply any guarantee, or warranty for certain properties, uses, suitability, safety, hazards or health effects. This information relates only to the above mentioned materials as delivered in their original packaging. Besides, it does not relate to any product made of these materials with or without the inclusion of further additives. Thus, TPM makes no warranties, express or implied and assumes no liabilities in any use of the information.

Should you need further clarification, please feel free to contact us.

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
Annex A : RoHS Directive 2011/65/EU and Directive (EU) 2015/863		
A01	-	Lead (Pb) and its compounds
A02	-	Mercury (Hg) and its compounds
A03	-	Cadmium (Cd) and its compounds
A04	-	Hexavalent chromium (Cr ⁶⁺) compounds
A05	-	Polybrominated biphenyls (PBB)
A06	-	Polybrominated diphenyl ethers (PBDE)
A07	117-81-7	Bis(2-ethylhexyl) phthalate (DEHP)
A08	85-68-7	Benzyl butyl phthalate (BBP)
A09	84-74-2	Dibutyl phthalate (DBP)
A10	84-69-5	Diisobutyl phthalate (DIBP)
Annex B : REACH Regulation EC No. 1907/2006		
B01	-	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)
B02	96-18-4	1,2,3-trichloropropane
B03	68515-51-5 68648-93-1	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)
B04	71888-89-6	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich
B05	68515-42-4	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters
B06	68515-50-4	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear
B07	84777-06-0	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear
B08	112-49-2	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)
B09	107-06-2	1,2-Dichloroethane
B10	629-14-1	1,2-Diethoxyethane
B11	110-71-4	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)
B12	37853-59-1	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]
B13	2451-62-9	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)
B14	59653-74-6	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)
B15	1120-71-4	1,3-propanesultone
B16	123-91-1	1,4-dioxane
B17	-	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)
B18	15087-24-8	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one
B19	106-94-5	1-bromopropane (n-propyl bromide)
B20	872-50-4	1-Methyl-2-pyrrolidone (NMP)
B21	1072-63-5	1-vinylimidazole
B22	79-94-7	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol
B23	101-14-4	2,2'-dichloro-4,4'-methylenedianiline
B24	6807-17-6	2,2-bis(4'-hydroxyphenyl)-4-methylpentane
B25	1522-92-5 3296-90-0 36483-57-5 96-13-9	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)
B26	-	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides, covering any of their individual isomers and combinations thereof
B27	732-26-3	2,4,6-tri-tert-butylphenol
B28	3864-99-1	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)
B29	121-14-2	2,4-Dinitrotoluene
B30	25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
B31	3147-75-9	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)
B32	36437-37-3	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B33	80-54-6 75166-30-2 75166-31-3	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers
B34	119344-86-4	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one
B35	3846-71-7	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)
B36	119313-12-1	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone
B37	110-80-5	2-Ethoxyethanol
B38	111-15-9	2-Ethoxyethyl acetate
B39	15571-58-1	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)
B40	90-04-0	2-Methoxyaniline,o-Anisidine
B41	109-86-4	2-Methoxyethanol
B42	110-49-6	2-Methoxyethyl acetate
B43	71868-10-5	2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one
B44	693-98-1	2-methylimidazole
B45	143860-04-2	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
B46	101-77-9	4,4'- Diaminodiphenylmethane (MDA)
B47	77-40-7	4,4'-(1-methylpropylidene)bisphenol
B48	561-41-1	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]
B49	90-94-8	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)
B50	80-05-7	4,4'-isopropylidenediphenol
B51	838-88-0	4,4'-methylenedi-o-toluidine
B52	101-80-4	4,4'-oxydianiline and its salts
B53	80-09-1	4,4'-sulphonyldiphenol
B54	140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol
B55	-	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]
B56	60-09-3	4-Aminoazobenzene
B57	-	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]
B58	95-80-7	4-methyl-m-phenylenediamine (toluene-2,4-diamine)
B59	-	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]
B60	-	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]
B61	98-54-4	4-tert-butylphenol
B62	-	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]
B63	81-15-2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)
B64	119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol
B65	120-71-8	6-methoxy-m-toluidine (p-cresidine)
B66	548-62-9	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B67	2580-56-5	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]
B68	69011-06-9	[Phthalato(2-)]dioxotrilead
B69	51404-69-4	Acetic acid, lead salt, basic
B70	7738-94-5 13530-68-2	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.
B71	79-06-1	Acrylamide
B72	85535-84-8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
B73	-	Aluminosilicate Refractory Ceramic Fibres are fibres 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 and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight
B74	7789-09-5	Ammonium dichromate
B75	3825-26-1	Ammonium pentadecafluorooctanoate (APFO)
B76	120-12-7	Anthracene
B77	90640-80-5	Anthracene oil
B78	90640-81-6	Anthracene oil, anthracene paste
B79	91995-15-2	Anthracene oil, anthracene paste, anthracene fraction
B80	91995-17-4	Anthracene oil, anthracene paste, distn. lights
B81	90640-82-7	Anthracene oil, anthracene-low
B82	7778-39-4	Arsenic acid
B83	13701-59-2	Barium diboron tetraoxide
B84	56-55-3 1718-53-2	Benz[a]anthracene
B85	552-30-7	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride
B86	50-32-8	Benzo[def]chrysene
B87	191-24-2	Benzo[ghi]perylene
B88	207-08-9	Benzo[k]fluoranthene
B89	85-68-7	Benzyl butyl phthalate (BBP)
B90	92-67-1	Biphenyl-4-ylamine
B91	117-81-7	Bis (2-ethylhexyl)phthalate (DEHP)
B92	143-24-8	Bis(2-(2-methoxyethoxy)ethyl) ether
B93	26040-51-7	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof
B94	111-96-6	Bis(2-methoxyethyl) ether
B95	117-82-8	Bis(2-methoxyethyl) phthalate
B96	80-07-9	Bis(4-chlorophenyl) sulphone
B97	1163-19-5	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)
B98	56-35-9	Bis(tributyltin) oxide (TBTO)
B99	10043-35-3 11113-50-1	Boric acid
B100	3896-11-5	Bumetrizole (UV-326)
B101	94-26-8	Butyl 4-hydroxybenzoate
B102	7440-43-9	Cadmium
B103	513-78-0	Cadmium Carbonate
B104	10108-64-2	Cadmium chloride
B105	7790-79-6	Cadmium fluoride
B106	21041-95-2	Cadmium hydroxide

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B107	10022-68-1 10325-94-7	Cadmium nitrate
B108	1306-19-0	Cadmium oxide
B109	10124-36-4 31119-53-6	Cadmium sulphate
B110	1306-23-6	Cadmium sulphide
B111	7778-44-1	Calcium arsenate
B112	1333-82-0	Chromium trioxide
B113	218-01-9 1719-03-5	Chrysene
B114	7646-79-9	Cobalt dichloride
B115	513-79-1	Cobalt(II) carbonate
B116	71-48-7	Cobalt(II) diacetate
B117	10141-05-6	Cobalt(II) dinitrate
B118	10124-43-3	Cobalt(II) sulphate
B119	85-42-7 13149-00-3 14166-21-3	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]
B120	541-02-6	Decamethylcyclopentasiloxane
B121	1303-28-2	Diarsenic pentoxide
B122	1327-53-3	Diarsenic trioxide
B123	123-77-3	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)
B124	1303-86-2	Diboron trioxide
B125	84-74-2	Dibutyl phthalate (DBP)
B126	22673-19-4	Dibutylbis(pentane-2,4-dionato-O,O')tin
B127	683-18-1	Dibutyltin dichloride (DBTC)
B128	24613-89-6	Dichromium tris(chromate)
B129	84-61-7	Dicyclohexyl phthalate
B130	64-67-5	Diethyl sulphate
B131	84-75-3	Dihexyl phthalate
B132	84-69-5	Diisobutyl phthalate
B133	71850-09-4	Diisohexyl phthalate
B134	605-50-5	Diisopentylphthalate
B135	77-78-1	Dimethyl sulphate
B136	88-85-7	Dinoseb (6-sec-butyl-2,4-dinitrophenol)
B137	-	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety
B138	12578-12-0	Dioxobis(stearato)trilead
B139	131-18-0	Dipentyl phthalate (DPP)
B140	75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
B141	573-58-0	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)
B142	1937-37-7	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)
B143	12008-41-2	Disodium octaborate
B144	1303-96-4 1330-43-4 12179-04-3	Disodium tetraborate, anhydrous
B145	540-97-6	Dodecamethylcyclohexasiloxane
B146	107-15-3	Ethylenediamine
B147	91031-62-8	Fatty acids, C16-18, lead salts
B148	206-44-0 93951-69-0	Fluoranthene
B149	25214-70-4	Formaldehyde, oligomeric reaction products with aniline
B150	75-12-7	Formamide

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B151	110-00-9	Furan
B152	111-30-8	Glutaral
B153	2058-94-8	Henicosafuoroundecanoic acid
B154	376-06-7	Heptacosafuorotetradecanoic acid
B155	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane
B156	25550-51-0 19438-60-9 48122-14-1 57110-29-9	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]
B157	302-01-2 7803-57-8	Hydrazine
B158	96-45-7	Imidazolidine-2-thione (2-imidazoline-2-thiol)
B159	4247-02-3	Isobutyl 4-hydroxybenzoate
B160	7439-92-1	Lead
B161	13814-96-5	Lead bis(tetrafluoroborate)
B162	7758-97-6	Lead chromate
B163	12656-85-8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)
B164	20837-86-9	Lead cyanamidate
B165	301-04-2	Lead di(acetate)
B166	13424-46-9	Lead diazide, Lead azide
B167	10099-74-8	Lead dinitrate
B168	6477-64-1	Lead dipicrate
B169	7784-40-9	Lead hydrogen arsenate
B170	1317-36-8	Lead monoxide (lead oxide)
B171	12036-76-9	Lead oxide sulfate
B172	15245-44-0	Lead styphnate
B173	1344-37-2	Lead sulfochromate yellow (C.I. Pigment Yellow 34)
B174	12060-00-3	Lead titanium trioxide
B175	12626-81-2	Lead titanium zirconium oxide
B176	17570-76-2	Lead(II) bis(methanesulfonate)
B177	-	Medium-chain chlorinated paraffins (MCCP)
B178	108-78-1	Melamine
B179	625-45-6	Methoxyacetic acid
B180	75-56-9	Methyloxirane (Propylene oxide)
B181	101-61-1	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)
B182	127-19-5	N,N-dimethylacetamide
B183	68-12-2	N,N-dimethylformamide
B184	924-42-5	N-(hydroxymethyl)acrylamide
B185	79-16-3	N-methylacetamide
B186	776297-69-9	N-pentyl-isopentylphthalate
B187	98-95-3	Nitrobenzene
B188	335-76-2 3108-42-7 3830-45-3	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts
B189	97-56-3	o-aminoazotoluene
B190	95-53-4	o-Toluidine
B191	556-67-2	Octamethylcyclotetrasiloxane
B192	-	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol
B193	1314-41-6	Orange lead (lead tetroxide)
B194	13840-56-7	Orthoboric acid, sodium salt
B195	80-46-6	p-(1,1-dimethylpropyl)phenol
B196	72629-94-8	Pentacosafuorotridecanoic acid
B197	335-67-1	Pentadecafluorooctanoic acid (PFOA)

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B198	12065-90-6	Pentalead tetraoxide sulphate
B199	49663-84-5	Pentazinc chromate octahydroxide
B200	-	Perfluorobutane sulfonic acid (PFBS) and its salts
B201	-	Perfluoroheptanoic acid and its salts
B202	-	Perfluorohexane-1-sulphonic acid and its salts
B203	375-95-1 21049-39-8 4149-60-4	Perfluorononan-1-oic-acid and its sodium and ammonium salts
B204	85-01-8	Phenanthrene
B205	-	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)
B206	77-09-8	Phenolphthalein
B207	65996-93-2	Pitch, coal tar, high temp.
B208	7789-00-6	Potassium chromate
B209	7778-50-9	Potassium dichromate
B210	11103-86-9	Potassium hydroxyoctaoxodizincatedichromate
B211	129-00-0 1718-52-1	Pyrene
B212	8012-00-8	Pyrochlore, antimony lead yellow
B213	-	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine
B214	-	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]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)
B215	-	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)
B216	255881-94-8	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate
B217	68784-75-8	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD),the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]
B218	11120-22-2	Silicic acid, lead salt
B219	7775-11-3	Sodium chromate
B220	7789-12-0 10588-01-9	Sodium dichromate
B221	-	Sodium perborate,perboric acid, sodium salt
B222	7632-04-4	Sodium peroxometaborate
B223	7789-06-2	Strontium chromate
B224	62229-08-7	Sulfurous acid, lead salt, dibasic
B225	61788-32-7	Terphenyl, hydrogenated
B226	12267-73-1	Tetraboron disodium heptaoxide, hydrate
B227	78-00-2	Tetraethyllead
B228	12202-17-4	Tetralead trioxide sulphate
B229	79-01-6	Trichloroethylene
B230	307-55-1	Tricosafuorododecanoic acid
B231	15606-95-8	Triethyl arsenate
B232	1319-46-6	Trilead bis(carbonate) dihydroxide
B233	3687-31-8	Trilead diarsenate
B234	12141-20-7	Trilead dioxide phosphonate
B235	115-96-8	Tris(2-chloroethyl)phosphate
B236	1067-53-4	Tris(2-methoxyethoxy)vinylsilane
B237	-	Tris(4-nonylphenyl, brached and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and liner (4-NP)
B238	25155-23-1	Trixylyl phosphate

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B239	-	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres 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 and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight
B240	6786-83-0	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (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)]
Annex C : Phthalate Plasticizers 1999/815/EEC		
C01	117-81-7	Di(2-ethylhexyl) phthalate (DEHP)
C02	26761-40-0	Di-iso-decyl phthalate (DIDP)
C03	28553-12-0	Di-iso-nonyl phthalate (DINP)
C04	84-74-2	Di-n-butyl phthalate (DBP)
C05	117-84-0	Di-n-octyl phthalate (DNOP)
C06	85-68-7	Butyl benzyl phthalate (BBP)
C07	84-75-3	Di-n-hexyl phthalate (DNHP)
Annex D: Conflict Minerals		
D01	-	Columbite-tantalite (Tantalum)
D02	-	Cassiterite (Tin)
D03	-	Wolframite (Tungsten)
D04	-	Gold
Annex E1 : Montreal Protocol on Substances that Deplete the Ozone Layer (Document A)		
Group I		
E01	CFCl ₃	Trichlorofluoromethane (CFC-11)
E02	CF ₂ Cl ₂	Dichlorodifluoromethane (CFC-12)
E03	C ₂ F ₃ Cl ₃	Trichlorotrifluoroethane (CFC-113)
E04	C ₂ F ₄ Cl ₂	Dichlorotetrafluoroethane (CFC-114)
E05	C ₂ F ₅ Cl	Chloropentafluoroethane (CFC-115)
Group II		
E06	CF ₂ BrCl	Bromochlorodifluoromethane (Halon 1211)
E07	CF ₃ Br	Bromotrifluoromethane (Halon 1301)
E08	C ₂ F ₄ Br ₂	Dibromotetrafluoroethane (Halon 2402)
Annex E2 : Montreal Protocol on Substances that Deplete the Ozone Layer (Document B)		
Group I		
E09	CF ₃ Cl	Chlorotrifluoromethane (CFC-13)
E10	C ₂ FCl ₅	Pentachlorofluoroethane (CFC-111)
E11	C ₂ F ₂ Cl ₄	Tetrachlorodifluoroethane (CFC-112)
E12	C ₃ FCl ₇	Heptachlorofluoropropane (CFC-211)
E13	C ₃ F ₂ Cl ₆	Hexachlorodifluoropropane (CFC-212)
E14	C ₃ F ₃ Cl ₅	Pentachlorotrifluoropropane (CFC-213)
E15	C ₃ F ₄ Cl ₄	Tetrachlorotetrafluoropropane (CFC-214)
E16	C ₃ F ₅ Cl ₃	Trichloropentafluoropropane (CFC-215)
E17	C ₃ F ₆ Cl ₂	Dichlorohexafluoropropane (CFC-216)
E18	C ₃ F ₇ Cl	Chloroheptafluoropropane (CFC-217)
Group II		
E19	CCl ₄	Tetrachloromethane (Carbon tetrachloride)
Group III		
E20	C ₂ H ₃ Cl ₃	1,1,1-Trichloroethane (Methyl chloroform)

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
Annex E3 : Montreal Protocol on Substances that Deplete the Ozone Layer (Document C)		
Group I		
E21	CHFC ₂	Dichlorofluoromethane (HCFC-21)
E22	CHF ₂ Cl	Chlorodifluoromethane (HCFC-22)
E23	CH ₂ FCI	Chlorofluoromethane (HCFC-31)
E24	C ₂ HFCl ₄	Tetrachlorofluoroethane (HCFC-121)
E25	C ₂ HF ₂ Cl ₃	Trichlorofluoroethane (HCFC-122)
E26	C ₂ HF ₃ Cl ₂	Dichlorotrifluoroethane (HCFC-123)
E27	CHCl ₂ CF ₃	Dichlorotrifluoroethane (HCFC-123)
E28	C ₂ HF ₄ Cl	Chlorotetrafluoroethane (HCFC-124)
E29	CHFClCF ₃	Chlorotetrafluoroethane (HCFC-124)
E30	C ₂ H ₂ FCI ₃	Trichlorofluoroethane (HCFC-131)
E31	C ₂ H ₂ F ₂ Cl ₂	Dichlorodifluoroethane (HCFC-132)
E32	C ₂ H ₂ F ₃ Cl	Chlorotrifluoroethane (HCFC-133)
E33	C ₂ H ₃ FCI ₂	Dichlorofluoroethane (HCFC-141)
E34	CH ₃ CFCl ₂	Dichlorofluoroethane (HCFC-141b)
E35	C ₂ H ₃ F ₂ Cl	Chlorodifluoroethane (HCFC-142)
E36	CH ₃ CF ₂ Cl	Chlorodifluoroethane (HCFC-142b)
E37	C ₂ H ₄ FCI	Chlorofluoroethane (HCFC-151)
E38	C ₃ HFCl ₆	Hexachlorofluoropropane (HCFC-221)
E39	C ₃ HF ₂ Cl ₅	Pentachlorodifluoropropane (HCFC-222)
E40	C ₃ HF ₃ Cl ₄	Tetrachlorotrifluoropropane (HCFC-223)
E41	C ₂ HF ₄ Cl ₃	Trichlorotetrafluoropropane (HCFC-224)
E42	C ₃ HF ₅ Cl ₂	Dichloropentafluoropropane (HCFC-225)
E43	CF ₃ CF ₂ CHCl ₂	Dichloropentafluoropropane (HCFC-225ca)
E44	CF ₂ ClCF ₂ CHClF	Dichloropentafluoropropane (HCFC-225cb)
E45	C ₃ HF ₆ Cl	Chlorohexafluoropropane (HCFC-226)
E46	C ₃ H ₂ FCI ₅	Pentachlorofluoropropane (HCFC-231)
E47	C ₃ H ₂ F ₂ Cl ₄	Tetrachlorodifluoropropane (HCFC-232)
E48	C ₃ H ₂ F ₃ Cl ₃	Trichlorotrifluoropropane (HCFC-233)
E49	C ₃ H ₂ F ₄ Cl ₂	Dichlorotetrafluoropropane (HCFC-234)
E50	C ₃ H ₂ F ₅ Cl	Chloropentafluoropropane (HCFC-235)
E51	C ₃ H ₃ FCI ₄	Tetrachlorofluoropropane (HCFC-241)
E52	C ₃ H ₃ F ₂ Cl ₃	Trichlorodifluoropropane (HCFC-242)
E53	C ₃ H ₃ F ₃ Cl ₂	Dichlorotrifluoropropane (HCFC-243)
E54	C ₃ H ₃ F ₄ Cl	Chlorotetrafluoropropane (HCFC-244)
E55	C ₃ H ₄ FCI ₃	Trichlorofluoropropane (HCFC-251)
E56	C ₃ H ₄ F ₂ Cl ₂	Dichlorodifluoropropane (HCFC-252)
E57	C ₃ H ₄ F ₃ Cl	Chlorotrifluoropropane (HCFC-253)
E58	C ₃ H ₅ FCI ₂	Dichlorofluoropropane (HCFC-261)
E59	C ₃ H ₅ F ₂ Cl	Chlorodifluoropropane (HCFC-262)
E60	C ₃ H ₆ FCI	Chlorofluoropropane (HCFC-271)
Group II		
E61	CHFBr ₂	Dibromo-fluoromethane
E62	CHF ₂ Br	Dibromo-difluoromethane
E63	C ₂ HF ₂ Br ₃	Tribromo-difluoroethane
E64	C ₂ HF ₄ Br	Bromo-tetrafluoroethane
E65	C ₂ H ₂ F ₂ Br ₂	Dibromo-difluoroethane
E66	C ₂ H ₃ FBr ₂	Dibromo-fluoroethane
E67	C ₂ H ₄ FBr	Bromofluoroethane
E68	C ₃ HF ₂ Br ₅	Pentabromo-difluoropropane
E69	C ₃ HF ₄ Br ₃	Tribromo-tetrafluoropropane
E70	C ₃ HF ₆ Br	Bromo-hexafluoropropane

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
E71	C ₃ H ₂ F ₂ Br ₄	Tetrabromo-fluoropropane
E72	C ₃ H ₂ F ₄ Br ₂	Dibromo-tetrafluoropropane
E73	C ₃ H ₃ FBr ₄	Tetrabromo-fluoropropane
E74	C ₃ H ₃ F ₃ Br ₂	Dibromo-trifluoropropane
E75	C ₃ H ₄ FBr ₃	Tribromo-fluoropropane
E76	C ₃ H ₄ F ₃ Br	Bromo-trifluoropropane
E77	C ₃ H ₅ F ₂ Br	Bromo-difluoropropane
E78	CH ₂ FBr	Bromo-fluoromethane
E79	C ₂ HFBBr ₄	Tetrabromo-fluoroethane
E80	C ₂ HF ₃ Br ₂	Dibromo-trifluoroethane
E81	C ₂ H ₂ FBr ₃	Tribromo-fluoroethane
E82	C ₂ H ₂ F ₃ Br	Bromo-trifluoroethane
E83	C ₂ H ₃ F ₂ Br	Bromo-difluoroethane
E84	C ₃ HFBBr ₆	Hexabromo-fluoropropane
E85	C ₃ HF ₃ Br ₄	Tetrabromo-trifluoropropane
E86	C ₃ HF ₅ Br ₂	Dibromo-pentafluoropropane
E87	C ₃ H ₂ FBr ₅	Pentabromo-fluoropropane
E88	C ₃ H ₂ F ₃ Br ₃	Tribromo-trifluoropropane
E89	C ₃ H ₂ F ₅ Br	Bromo-pentafluoropropane
E90	C ₃ H ₃ F ₂ Br ₃	Tribromo-difluoropropane
E91	C ₃ H ₃ F ₄ Br	Bromo-tetrafluoropropane
E92	C ₃ H ₄ F ₂ Br ₂	Dibromo-difluoropropane
E93	C ₃ H ₅ FBr ₂	Dibromo-fluoropropane
E94	C ₃ H ₆ FBr	Bromo-fluoropropane
Group III		
E95	CH ₂ BrCl	Bromochloromethane
Annex E4 : Montreal Protocol on Substances that Deplete the Ozone Layer (Document E)		
E96	CH ₃ Br	Bromomethane
Annex F: Azo Dyes and Pigments Forming Specified Amines 2002/61/EC		
F01	60-09-3	4-Amino azobenzene
F02	90-04-0	o-Anisidine 2-Methoxyaniline
F03	91-59-8	2-Naphthylamine
F04	91-94-1	3,3'-Dichlorobenzidine 3,3'-Dichlorobiphenyl-4,4'-ylenediamine
F05	92-67-1	Biphenyl-4-ylamine 4-Aminobiphenyl Xenylamine
F06	92-87-5	Benzidine
F07	95-53-4	o-Toluidine 2-Aminotoluene
F08	95-69-2	4-Chloro-o-toluidine
F09	95-80-7	4-Methyl-m-phenylenediamine
F10	97-56-3	o-Aminoazotoluene 4-Amino-2',3-dimethylazobenzene 4-o-Tolylazo-o-toluidine
F11	99-55-8	5-Nitro-o-toluidine
F12	101-14-4	4,4'-Methylene-bis-(2-chloro-aniline) 2,2'-Dichloro-4,4'-methylene-dianiline
F13	101-77-9	4,4'-Methylenedianiline 4,4'-Diaminodiphenylmethane
F14	101-80-4	4,4'-Oxydianiline
F15	106-47-8	4-Chloroaniline
F16	119-90-4	3,3'-Dimethoxybenzidine o-Dianisi-dine

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
F17	119-93-7	3,3'-Dimethylbenzidine 4,4'-Bi-o-toluidine
F18	120-71-8	6-Methoxy-m-toluidine p-Cresidine
F19	137-17-7	2,4,5-Trimethylaniline
F20	139-65-1	4,4'-Thiodianiline
F21	615-05-4	4-Methoxy-m-phenylenediamine
F22	838-88-0	4,4'-Methylenedi-o-toluidine
Annex G: Level 1 TPM Prohibited Substances		
G01	107-06-2	1,2-Dichloroethane
G02	542-75-6	1,3-Dichloropropene (Telone)
G03	3173-72-6	1,5-Naphthalene diisocyanate
G04	-	2,2,3,3,4,5,5-Heptafluoro-4-(perfluorobutyl)oxolane or 2,2,3,3,4,4,5-Heptafluoro-4-(perfluorobutyl)oxolane
G05	3846-71-7	2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di-tert-butylphenol
G06	732-26-3	2,4,6-Tri-tert-butylphenol
G07	80-05-7	4,4'-Dihydroxy-2,2-diphenylpropane (Bisphenol A)
G08	92-93-3	4-Nitrobiphenyls
G09	309-00-2	Aldrin (= 1 α ,2,3,4 α ,10,10-Hexachloro-1,4,4a β ,5 β ,8 β ,8a β -hexahydro-1 β ,4 β :5 α ,8 α -dimethanonaphthalene)
G10	12172-73-5	Amosit
G11	1331-21-4	Asbestos
G12	-	Azo compounds (Compounds that might produce substances in Annex F after degradation)
G13	71-43-2	Benzene
G14	-	Beryllium (Be) and its compounds
G15	542-88-1	Bis(chloromethyl) ether
G16	57-74-9	Chlordane
G17	3734-48-3, 76-44-8	Chlordene or Heptachlor and their mixture
G18	-	Chlorinated paraffin
G19	108-90-7	Chlorobenzene
G20	2921-88-2	Chlorpyrifos (= Phosphorothioic acid O,O-diethyl O-(3,5,6-trichloro-2-pyridyl))
G21	156-59-2	Cis-1,2-dichloroethylene
G22	-	Cobalt (Co) and its compounds
G23	12001-28-4	Crocidolite
G24	50-29-3	DDT (4,4'-Dichlorodiphenyltrichloroethane)
G25	-	Dibutyltin (DBT) compounds
G26	75-09-2	Dichloromethane
G27	115-32-2	Dicofol
G28	60-57-1	Dieldrin
G29	84-66-2	Diethyl phthalate
G30	624-49-7	Dimethyl fumarate (DMF)
G31	-	Diocetyl tin (DOT) compounds
G32	72-20-8	Endrin
G33	106-89-8	Epichlorohydrin
G34	50-00-0	Formaldehyde
G35	118-74-1	Hexachlorobenzene
G36	87-68-3	Hexachlorobutadiene
G37	2385-85-5	Mirex
G38	-	N,N'-ditolyl-p-phenylenediamine
G39	-	N,N'-dixylyl-p-phenylenediamine
G40	91-20-3	Naphthalene
G41	7440-02-0	Nickel (Ni) and its compounds
G42	-	N-tolyl-N-xylyl-p-phenylenediamine
G43	27417-40-9,	N,N'-Ditolyl-p-phenylenediamine compounds or N-(Dimethylphenyl)-N'-(tolylphenyl)-p-phenylenediamine compounds or N,N'-bis(Dimethylphenyl)-p-phenylenediamine compounds

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
G44	-	Hydrofluorocarbons (HFC) and Perfluorocarbons (PFC)
G45	-	Organic brominated compounds other than PBB and PBDE
G46	14797-73-0	Perchlorate
G47	1763-23-1	Perfluorooctane sulfonate and its salts (PFOS)
G48	335-67-1	Perfluorooctanoic acid
G49	307-55-1	Perfluorododecanoic acid
G50	72629-94-8	Perfluorotridecanoic acid
G51	376-06-7	Perfluorotetradecanoic acid
G52	-	Perfluoropentadecanoic acid
G53	67905-19-5	Perfluorohexadecanoic acid
G54	335-57-9	Perfluoroheptane
G55	307-34-6	Perfluorooctane
G56	-	Polychlorinated biphenyls (PCB)
G57	-	Polychlorinated naphthalene (PCN) (3 or more chlorine atoms)
G58	61788-33-8	Polychlorinated terphenyls (PCT)
G59	-	Polycyclic aromatic hydrocarbons (PAH)
G60	-	Polyvinylchloride (PVC) and its mixtures
G61	-	Radioactive substances
G62	-	Rubber cement containing benzene beyond 5wt%
G63	2551-62-4	Sulfur hexafluoride (SF6)
G64	127-18-4	Tetrachloroethylene (Perchloroethylene)
G65	12185-10-3	Yellow phosphorus
G66	62-56-6	Thiourea
G67	8001-35-2	Toxaphene
G68	-	Tributyl tin compounds and Triphenyl tin compounds
G69	13674-84-5	Tris(1-chloro-2-propyl)phosphate (TCPP)
G70	13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate (TDCP)
G71	75-01-4	Vinyl chloride
G72	75-35-4	Vinylidene chloride
G73	1330-20-7	Xylene
G74	7723-14-0	Red phosphorus
G75	3864-99-1	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)
G76	3846-71-7	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)
G77	25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
G78	36437-37-3	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)
G79	68937-41-7	Phenol, isopropylated phosphate (3:1) (PIP (3:1))
G80	133-49-3	Pentachlorothiophenol (PCTP)