

TORAY

TORAY PLASTICS (MALAYSIA) SDN BERHAD

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To Whom It May Concern:

From :



SK Teh
General Manager
Technology Centre

Date: 1st July 2025

Dear Valued Customers,

Re: Non-Inclusion of Prohibited Chemical Substances in TOYOLAC_{TM} Resin

We wish to express our deepest appreciation for your excellent support towards our TOYOLAC_{TM} resin. Toray Plastics (Malaysia) Sdn. Bhd. (TPM) herein declares that all resin products as listed in **Table 1: TOYOLAC_{TM} Resins** (Natural and Standard Black* color) 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. 32)**, are not intentionally added in any production stage of the mentioned TOYOLAC_{TM} resins, to best of our knowledge.

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.

Table 1: TOYOLAC™ Resins

TYPES	GRADE NAME	
Transparent MABS	TOYOLAC™ 920 555 TOYOLAC™ 900 352A TOYOLAC™ 900 352 TOYOLAC™ 912 X01 TOYOLAC™ 990 X88	TOYOLAC™ 920 555 U TOYOLAC™ 900 352A U TOYOLAC™ 900 352 U TOYOLAC™ 912 X01 U TOYOLAC™ 990 X77
General Purpose ABS	TOYOLAC™ 100 322 TOYOLAC™ 100 X01 TOYOLAC™ 250 X10 TOYOLAC™ 500 322 TOYOLAC™ 700 314 TOYOLAC™ 700 X01 TOYOLAC™ 600 X50 TOYOLAC™ 600 X52	TOYOLAC™ 100 322 U TOYOLAC™ 100 X01 U TOYOLAC™ 250 X10 U TOYOLAC™ 500 322 U TOYOLAC™ 700 314 U TOYOLAC™ 700 X01 U TOYOLAC™ 600 X50 U TOYOLAC™ 600 X52 U
Glass Fiber Reinforced AS/ABS	TOYOLAC™ ABSG 100G-10 TOYOLAC™ ABSG 100G-20 TOYOLAC™ ABSG 100G-30 TOYOLAC™ ABSG 100G-10T1	TOYOLAC™ ASG-10 TOYOLAC™ ASG-20 TOYOLAC™ ASG-30
High Heat ABS	TOYOLAC™ 440Y MH1 TOYOLAC™ 440Y MH5 TOYOLAC™ 450Y MH1 TOYOLAC™ 450Y MH5 TOYOLAC™ 450Y X10 TOYOLAC™ 470Y MH1 TOYOLAC™ 420Y MH1 TOYOLAC™ 460Y MH1	TOYOLAC™ 440Y MH1 U TOYOLAC™ 440Y MH5 U TOYOLAC™ 450Y MH1 U TOYOLAC™ 450Y MH5 U TOYOLAC™ 450Y X10 U TOYOLAC™ 470Y MH1 U TOYOLAC™ 430Y MH1
High Heat Glass Fiber Reinforced ABS	TOYOLAC™ 450G-10R TOYOLAC™ 450G-30R	TOYOLAC™ 450G-20R TOYOLAC™ 450G-20S
Chemical Resistant ABS	TOYOLAC™ AX05 X03 TOYOLAC™ AX05 X32	TOYOLAC™ AX05 X03 U TOYOLAC™ AX05 X32 U
Painting ABS	TOYOLAC™ 100 MPF TOYOLAC™ 100 MPJ TOYOLAC™ 100 MPK	TOYOLAC™ 100 MPM TOYOLAC™ 100-MPH
High Heat Painting ABS	TOYOLAC™ 440Y X50	TOYOLAC™ 450Y X50
Plating ABS	TOYOLAC™ 315 X01 TOYOLAC™ 335 MPL	TOYOLAC™ 325
AS	TOYOLAC™ A20C 333 TOYOLAC™ A21C 333	TOYOLAC™ A37C 333 TOYOLAC™ A11C 333
Specialty Grades	TOYOLAC™ 450Y BM1 TOYOLAC™ 500 MX2 TOYOLAC™ 700 SG5	TOYOLAC™ 532 X02 TOYOLAC™ 500 MX2 U TOYOLAC™ 700 SG5 U
Medical Grades	TOYOLAC™ 500 322M	TOYOLAC™ 250 X10M
Alloy Grades	TOYOLAC™ PX10 X06 TOYOLAC™ PX10 X07 TOYOLAC™ RFX10 X01 TOYOLAC™ VX10G20	TOYOLAC™ PX10 X06 U TOYOLAC™ PX10 X07 U TOYOLAC™ RFX10 X01 U
ASA	TOYOLAC™ TA10 X01 TOYOLAC™ TA10 X02 TOYOLAC™ TA30 X01 TOYOLAC™ TA30 X02 TOYOLAC™ TA50 X01	TOYOLAC™ TA50 X02 TOYOLAC™ TA50C X50 TOYOLAC™ TA44 X50 TOYOLAC™ TA42C X01 TOYOLAC™ TA58 X51

* **Standard Black Color Code:** B0, B1, B2, B3, B4, B6, SB1, SB2, K1, K2, K3, LB001, LB002 and LB003.

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	17928-28-8	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane
B03	96-18-4	1,2,3-trichloropropane
B04	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)
B05	71888-89-6	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich
B06	68515-42-4	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters
B07	68515-50-4	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear
B08	84777-06-0	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear
B09	112-49-2	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)
B10	107-06-2	1,2-Dichloroethane
B11	629-14-1	1,2-Diethoxyethane
B12	110-71-4	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)
B13	37853-59-1	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]
B14	2451-62-9	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)
B15	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)
B16	1120-71-4	1,3-propanesultone
B17	123-91-1	1,4-dioxane
B18	-	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"™)
B19	15087-24-8	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one
B20	106-94-5	1-bromopropane (n-propyl bromide)
B21	872-50-4	1-Methyl-2-pyrrolidone (NMP)
B22	1072-63-5	1-vinylimidazole
B23	79-94-7	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol
B24	101-14-4	2,2'-dichloro-4,4'-methylenedianiline
B25	6807-17-6	2,2-bis(4'-hydroxyphenyl)-4-methylpentane
B26	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)
B27	-	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides, covering any of their individual isomers and combinations thereof
B28	732-26-3	2,4,6-tri-tert-butylphenol
B29	3864-99-1	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)
B30	121-14-2	2,4-Dinitrotoluene
B31	25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
B32	3147-75-9	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)
B33	36437-37-3	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)
B34	80-54-6 75166-30-2 75166-31-3	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers
B35	119344-86-4	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B36	3846-71-7	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)
B37	119313-12-1	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone
B38	110-80-5	2-Ethoxyethanol
B39	111-15-9	2-Ethoxyethyl acetate
B40	15571-58-1	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)
B41	90-04-0	2-Methoxyaniline,o-Anisidine
B42	109-86-4	2-Methoxyethanol
B43	110-49-6	2-Methoxyethyl acetate
B44	71868-10-5	2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one
B45	693-98-1	2-methylimidazole
B46	143860-04-2	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
B47	101-77-9	4,4'- Diaminodiphenylmethane (MDA)
B48	77-40-7	4,4'-(1-methylpropylidene)bisphenol
B49	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)]
B50	90-94-8	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)
B51	80-05-7	4,4'-isopropylidenediphenol
B52	838-88-0	4,4'-methylenedi-o-toluidine
B53	101-80-4	4,4'-oxydianiline and its salts
B54	80-09-1	4,4'-sulphonyldiphenol
B55	140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol
B56	-	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]
B57	60-09-3	4-Aminoazobenzene
B58	-	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]
B59	95-80-7	4-methyl-m-phenylenediamine (toluene-2,4-diamine)
B60	-	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]
B61	-	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]
B62	98-54-4	4-tert-butylphenol
B63	-	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]
B64	81-15-2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)
B65	119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol
B66	2156592-54-8	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid
B67	120-71-8	6-methoxy-m-toluidine (p-cresidine)
B68	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)]
B69	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)]
B70	69011-06-9	[Phthalato(2-)]dioxotrilead
B71	51404-69-4	Acetic acid, lead salt, basic

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B72	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.
B73	79-06-1	Acrylamide
B74	85535-84-8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
B75	-	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
B76	7789-09-5	Ammonium dichromate
B77	3825-26-1	Ammonium pentadecafluorooctanoate (APFO)
B78	120-12-7	Anthracene
B79	90640-80-5	Anthracene oil
B80	90640-81-6	Anthracene oil, anthracene paste
B81	91995-15-2	Anthracene oil, anthracene paste, anthracene fraction
B82	91995-17-4	Anthracene oil, anthracene paste, distn. lights
B83	90640-82-7	Anthracene oil, anthracene-low
B84	7778-39-4	Arsenic acid
B85	13701-59-2	Barium diboron tetraoxide
B86	56-55-3 1718-53-2	Benz[a]anthracene
B87	552-30-7	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride
B88	50-32-8	Benzo[def]chrysene
B89	191-24-2	Benzo[ghi]perylene
B90	207-08-9	Benzo[k]fluoranthene
B91	85-68-7	Benzyl butyl phthalate (BBP)
B92	92-67-1	Biphenyl-4-ylamine
B93	117-81-7	Bis (2-ethylhexyl)phthalate (DEHP)
B94	143-24-8	Bis(2-(2-methoxyethoxy)ethyl) ether
B95	26040-51-7	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof
B96	111-96-6	Bis(2-methoxyethyl) ether
B97	117-82-8	Bis(2-methoxyethyl) phthalate
B98	80-07-9	Bis(4-chlorophenyl) sulphone
B99	1163-19-5	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)
B100	56-35-9	Bis(tributyltin) oxide (TBTO)
B101	80-43-3	Bis(α,α-dimethylbenzyl) peroxide
B102	10043-35-3 11113-50-1	Boric acid
B103	3896-11-5	Bumetrizole (UV-326)
B104	94-26-8	Butyl 4-hydroxybenzoate
B105	7440-43-9	Cadmium
B106	513-78-0	Cadmium Carbonate
B107	10108-64-2	Cadmium chloride
B108	7790-79-6	Cadmium fluoride
B109	21041-95-2	Cadmium hydroxide
B110	10022-68-1 10325-94-7	Cadmium nitrate
B111	1306-19-0	Cadmium oxide
B112	10124-36-4 31119-53-6	Cadmium sulphate
B113	1306-23-6	Cadmium sulphide
B114	7778-44-1	Calcium arsenate
B115	1333-82-0	Chromium trioxide

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B116	218-01-9 1719-03-5	Chrysene
B117	7646-79-9	Cobalt dichloride
B118	513-79-1	Cobalt(II) carbonate
B119	71-48-7	Cobalt(II) diacetate
B120	10141-05-6	Cobalt(II) dinitrate
B121	10124-43-3	Cobalt(II) sulphate
B122	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]
B123	541-02-6	Decamethylcyclopentasiloxane
B124	141-62-8	Decamethyltetrasiloxane
B125	1303-28-2	Diarsenic pentaoxide
B126	1327-53-3	Diarsenic trioxide
B127	123-77-3	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)
B128	1303-86-2	Diboron trioxide
B129	84-74-2	Dibutyl phthalate (DBP)
B130	22673-19-4	Dibutylbis(pentane-2,4-dionato-O,O')tin
B131	683-18-1	Dibutyltin dichloride (DBTC)
B132	24613-89-6	Dichromium tris(chromate)
B133	84-61-7	Dicyclohexyl phthalate
B134	64-67-5	Diethyl sulphate
B135	84-75-3	Diethyl phthalate
B136	84-69-5	Diisobutyl phthalate
B137	71850-09-4	Diisohexyl phthalate
B138	605-50-5	Diisopentylphthalate
B139	77-78-1	Dimethyl sulphate
B140	88-85-7	Dinoseb (6-sec-butyl-2,4-dinitrophenol)
B141	-	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
B142	12578-12-0	Dioxobis(stearato)trilead
B143	131-18-0	Dipentyl phthalate (DPP)
B144	75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
B145	573-58-0	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)
B146	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)
B147	12008-41-2	Disodium octaborate
B148	1303-96-4 1330-43-4 12179-04-3	Disodium tetraborate, anhydrous
B149	540-97-6	Dodecamethylcyclohexasiloxane
B150	107-15-3	Ethylenediamine
B151	91031-62-8	Fatty acids, C16-18, lead salts
B152	206-44-0 93951-69-0	Fluoranthene
B153	25214-70-4	Formaldehyde, oligomeric reaction products with aniline
B154	75-12-7	Formamide
B155	110-00-9	Furan
B156	111-30-8	Glutaral
B157	2058-94-8	Henicosafuoroundecanoic acid
B158	376-06-7	Heptacosafuorotetradecanoic acid
B159	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

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B160	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]
B161	302-01-2 7803-57-8	Hydrazine
B162	96-45-7	Imidazolidine-2-thione (2-imidazoline-2-thiol)
B163	4247-02-3	Isobutyl 4-hydroxybenzoate
B164	7439-92-1	Lead
B165	13814-96-5	Lead bis(tetrafluoroborate)
B166	7758-97-6	Lead chromate
B167	12656-85-8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)
B168	20837-86-9	Lead cyanamidate
B169	301-04-2	Lead di(acetate)
B170	13424-46-9	Lead diazide, Lead azide
B171	10099-74-8	Lead dinitrate
B172	6477-64-1	Lead dipicrate
B173	7784-40-9	Lead hydrogen arsenate
B174	1317-36-8	Lead monoxide (lead oxide)
B175	12036-76-9	Lead oxide sulfate
B176	15245-44-0	Lead styphnate
B177	1344-37-2	Lead sulfochromate yellow (C.I. Pigment Yellow 34)
B178	12060-00-3	Lead titanium trioxide
B179	12626-81-2	Lead titanium zirconium oxide
B180	17570-76-2	Lead(II) bis(methanesulfonate)
B181	-	Medium-chain chlorinated paraffins (MCCP)
B182	108-78-1	Melamine
B183	625-45-6	Methoxyacetic acid
B184	75-56-9	Methyloxirane (Propylene oxide)
B185	101-61-1	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)
B186	127-19-5	N,N-dimethylacetamide
B187	68-12-2	N,N-dimethylformamide
B188	924-42-5	N-(hydroxymethyl)acrylamide
B189	79-16-3	N-methylacetamide
B190	776297-69-9	N-pentyl-isopentylphthalate
B191	98-95-3	Nitrobenzene
B192	335-76-2 3108-42-7 3830-45-3	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts
B193	597-82-0	O,O,O-triphenyl phosphorothioate
B194	97-56-3	o-aminoazotoluene
B195	95-53-4	o-Toluidine
B196	556-67-2	Octamethylcyclotetrasiloxane
B197	107-51-7	Octamethyltrisiloxane
B198	-	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol
B199	1314-41-6	Orange lead (lead tetroxide)
B200	13840-56-7	Orthoboric acid, sodium salt
B201	80-46-6	p-(1,1-dimethylpropyl)phenol
B202	72629-94-8	Pentacosafuorotridecanoic acid
B203	335-67-1	Pentadecafluorooctanoic acid (PFOA)
B204	12065-90-6	Pentalead tetraoxide sulphate
B205	49663-84-5	Pentazinc chromate octahydroxide
B206	338-83-0	Perfluamine
B207	-	Perfluorobutane sulfonic acid (PFBS) and its salts
B208	-	Perfluoroheptanoic acid and its salts
B209	-	Perfluorohexane-1-sulphonic acid and its salts
B210	375-95-1 21049-39-8 4149-60-4	Perfluorononan-1-oic-acid and its sodium and ammonium salts

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B211	85-01-8	Phenanthrene
B212	-	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)
B213	77-09-8	Phenolphthalein
B214	65996-93-2	Pitch, coal tar, high temp.
B215	7789-00-6	Potassium chromate
B216	7778-50-9	Potassium dichromate
B217	11103-86-9	Potassium hydroxyoctaoxodizincatedichromate
B218	129-00-0 1718-52-1	Pyrene
B219	8012-00-8	Pyrochlore, antimony lead yellow
B220	-	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
B221	-	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)
B222	192268-65-8	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives
B223	-	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)
B224	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
B225	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]
B226	11120-22-2	Silicic acid, lead salt
B227	7775-11-3	Sodium chromate
B228	7789-12-0 10588-01-9	Sodium dichromate
B229	-	Sodium perborate,perboric acid, sodium salt
B230	7632-04-4	Sodium peroxometaborate
B231	7789-06-2	Strontium chromate
B232	62229-08-7	Sulfurous acid, lead salt, dibasic
B233	61788-32-7	Terphenyl, hydrogenated
B234	-	Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-[[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl]amino}-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate (Reactive Brown 51)
B235	12267-73-1	Tetraboron disodium heptaoxide, hydrate
B236	78-00-2	Tetraethyllead
B237	12202-17-4	Tetralead trioxide sulphate
B238	79-01-6	Trichloroethylene
B239	307-55-1	Tricosafuorododecanoic acid
B240	15606-95-8	Triethyl arsenate
B241	1319-46-6	Trilead bis(carbonate) dihydroxide
B242	3687-31-8	Trilead diarsenate
B243	12141-20-7	Trilead dioxide phosphonate
B244	115-86-6	Triphenyl phosphate
B245	115-96-8	Tris(2-chloroethyl)phosphate
B246	1067-53-4	Tris(2-methoxyethoxy)vinylsilane
B247	-	Tris(4-nonylphenyl, brached and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and liner (4-NP)
B248	25155-23-1	Trixylyl phosphate

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B249	-	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
B250	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)
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)

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
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
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

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
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 HFBr 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 HFBr 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
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

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
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-1,4,4 α β ,5 β ,8 β ,8 $\alpha\beta$ -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, 28726-30-9, 70290-05-0	N,N'-Ditolyl-p-phenylenediamine compounds or N-(Dimethylphenyl)-N'-(tolylphenyl)-p-phenylenediamine compounds or N,N'-bis(Dimethylphenyl)-p-phenylenediamine compounds
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

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
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 (SF ₆)
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)