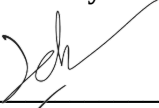


To Whom It May Concern:

From :



SK Teh
General Manager
Technology Centre

Date: 3rd February 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. 31)**, 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™ 920 555 U
	TOYOLAC™ 900 352A	TOYOLAC™ 900 352A U
	TOYOLAC™ 900 352	TOYOLAC™ 900 352 U
	TOYOLAC™ 912 X01	TOYOLAC™ 912 X01 U
	TOYOLAC™ 990 X88	TOYOLAC™ 990 X77
General Purpose ABS	TOYOLAC™ 100 322	TOYOLAC™ 100 322 U
	TOYOLAC™ 100 X01	TOYOLAC™ 100 X01 U
	TOYOLAC™ 250 X10	TOYOLAC™ 250 X10 U
	TOYOLAC™ 500 322	TOYOLAC™ 500 322 U
	TOYOLAC™ 700 314	TOYOLAC™ 700 314 U
	TOYOLAC™ 700 X01	TOYOLAC™ 700 X01 U
	TOYOLAC™ 600 X50	TOYOLAC™ 600 X50 U
	TOYOLAC™ 600 X52	TOYOLAC™ 600 X52 U
Glass Fiber Reinforced AS/ABS	TOYOLAC™ ABSG 100G-10	TOYOLAC™ ASG-10
	TOYOLAC™ ABSG 100G-20	TOYOLAC™ ASG-20
	TOYOLAC™ ABSG 100G-30	TOYOLAC™ ASG-30
	TOYOLAC™ ABSG 100G-10T1	
High Heat ABS	TOYOLAC™ 440Y MH1	TOYOLAC™ 440Y MH1 U
	TOYOLAC™ 440Y MH5	TOYOLAC™ 440Y MH5 U
	TOYOLAC™ 450Y MH1	TOYOLAC™ 450Y MH1 U
	TOYOLAC™ 450Y MH5	TOYOLAC™ 450Y MH5 U
	TOYOLAC™ 450Y X10	TOYOLAC™ 450Y X10 U
	TOYOLAC™ 470Y MH1	TOYOLAC™ 470Y MH1 U
	TOYOLAC™ 420Y MH1	TOYOLAC™ 430Y MH1
	TOYOLAC™ 460Y MH1	
High Heat Glass Fiber Reinforced ABS	TOYOLAC™ 450G-10R	TOYOLAC™ 450G-20R
	TOYOLAC™ 450G-30R	TOYOLAC™ 450G-20S
Chemical Resistant ABS	TOYOLAC™ AX05 X03	TOYOLAC™ AX05 X03 U
	TOYOLAC™ AX05 X32	TOYOLAC™ AX05 X32 U
Painting ABS	TOYOLAC™ 100 MPF	TOYOLAC™ 100 MPM
	TOYOLAC™ 100 MPJ	TOYOLAC™ 100-MPH
	TOYOLAC™ 100 MPK	
High Heat Painting ABS	TOYOLAC™ 440Y X50	TOYOLAC™ 450Y X50
Plating ABS	TOYOLAC™ 315 X01	TOYOLAC™ 325
	TOYOLAC™ 335 MPL	
AS	TOYOLAC™ A20C 333	TOYOLAC™ A37C 333
	TOYOLAC™ A21C 333	TOYOLAC™ A11C 333
Specialty Grades	TOYOLAC™ 450Y BM1	TOYOLAC™ 532 X02
	TOYOLAC™ 500 MX2	TOYOLAC™ 500 MX2 U
	TOYOLAC™ 700 SG5	TOYOLAC™ 700 SG5 U
Medical Grades	TOYOLAC™ 500 322M	TOYOLAC™ 250 X10M
Alloy Grades	TOYOLAC™ PX10 X06	TOYOLAC™ PX10 X06 U
	TOYOLAC™ PX10 X07	TOYOLAC™ PX10 X07 U
	TOYOLAC™ RFX10 X01	TOYOLAC™ RFX10 X01 U
	TOYOLAC™ VX10G20	
ASA	TOYOLAC™ TA10 X01	TOYOLAC™ TA50 X02
	TOYOLAC™ TA10 X02	TOYOLAC™ TA50C X50
	TOYOLAC™ TA30 X01	TOYOLAC™ TA44 X50
	TOYOLAC™ TA30 X02	TOYOLAC™ TA42C X01
	TOYOLAC™ TA50 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	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-triazine-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"™)
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)
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)

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
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	2156592-54-8	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid
B66	120-71-8	6-methoxy-m-toluidine (p-cresidine)
B67	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)]
B68	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)]
B69	69011-06-9	[Phthalato(2-)]dioxotrilead
B70	51404-69-4	Acetic acid, lead salt, basic
B71	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.

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B72	79-06-1	Acrylamide
B73	85535-84-8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
B74	-	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
B75	7789-09-5	Ammonium dichromate
B76	3825-26-1	Ammonium pentadecafluorooctanoate (APFO)
B77	120-12-7	Anthracene
B78	90640-80-5	Anthracene oil
B79	90640-81-6	Anthracene oil, anthracene paste
B80	91995-15-2	Anthracene oil, anthracene paste, anthracene fraction
B81	91995-17-4	Anthracene oil, anthracene paste, distn. lights
B82	90640-82-7	Anthracene oil, anthracene-low
B83	7778-39-4	Arsenic acid
B84	13701-59-2	Barium diboron tetraoxide
B85	56-55-3 1718-53-2	Benz[a]anthracene
B86	552-30-7	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride
B87	50-32-8	Benzo[def]chrysene
B88	191-24-2	Benzo[ghi]perylene
B89	207-08-9	Benzo[k]fluoranthene
B90	85-68-7	Benzyl butyl phthalate (BBP)
B91	92-67-1	Biphenyl-4-ylamine
B92	117-81-7	Bis (2-ethylhexyl)phthalate (DEHP)
B93	143-24-8	Bis(2-(2-methoxyethoxy)ethyl) ether
B94	26040-51-7	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof
B95	111-96-6	Bis(2-methoxyethyl) ether
B96	117-82-8	Bis(2-methoxyethyl) phthalate
B97	80-07-9	Bis(4-chlorophenyl) sulphone
B98	1163-19-5	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)
B99	56-35-9	Bis(tributyltin) oxide (TBTO)
B100	80-43-3	Bis(α,α-dimethylbenzyl) peroxide
B101	10043-35-3 11113-50-1	Boric acid
B102	3896-11-5	Bumetrizole (UV-326)
B103	94-26-8	Butyl 4-hydroxybenzoate
B104	7440-43-9	Cadmium
B105	513-78-0	Cadmium Carbonate
B106	10108-64-2	Cadmium chloride
B107	7790-79-6	Cadmium fluoride
B108	21041-95-2	Cadmium hydroxide
B109	10022-68-1 10325-94-7	Cadmium nitrate
B110	1306-19-0	Cadmium oxide
B111	10124-36-4 31119-53-6	Cadmium sulphate
B112	1306-23-6	Cadmium sulphide
B113	7778-44-1	Calcium arsenate
B114	1333-82-0	Chromium trioxide
B115	218-01-9 1719-03-5	Chrysene
B116	7646-79-9	Cobalt dichloride
B117	513-79-1	Cobalt(II) carbonate

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B118	71-48-7	Cobalt(II) diacetate
B119	10141-05-6	Cobalt(II) dinitrate
B120	10124-43-3	Cobalt(II) sulphate
B121	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]
B122	541-02-6	Decamethylcyclopentasiloxane
B123	1303-28-2	Diarsenic pentaoxide
B124	1327-53-3	Diarsenic trioxide
B125	123-77-3	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)
B126	1303-86-2	Diboron trioxide
B127	84-74-2	Dibutyl phthalate (DBP)
B128	22673-19-4	Dibutylbis(pentane-2,4-dionato-O,O')tin
B129	683-18-1	Dibutyltin dichloride (DBTC)
B130	24613-89-6	Dichromium tris(chromate)
B131	84-61-7	Dicyclohexyl phthalate
B132	64-67-5	Diethyl sulphate
B133	84-75-3	Diethyl phthalate
B134	84-69-5	Diisobutyl phthalate
B135	71850-09-4	Diisohexyl phthalate
B136	605-50-5	Diisopentylphthalate
B137	77-78-1	Dimethyl sulphate
B138	88-85-7	Dinoseb (6-sec-butyl-2,4-dinitrophenol)
B139	-	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
B140	12578-12-0	Dioxobis(stearato)trilead
B141	131-18-0	Dipentyl phthalate (DPP)
B142	75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
B143	573-58-0	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)
B144	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)
B145	12008-41-2	Disodium octaborate
B146	1303-96-4 1330-43-4 12179-04-3	Disodium tetraborate, anhydrous
B147	540-97-6	Dodecamethylcyclohexasiloxane
B148	107-15-3	Ethylenediamine
B149	91031-62-8	Fatty acids, C16-18, lead salts
B150	206-44-0 93951-69-0	Fluoranthene
B151	25214-70-4	Formaldehyde, oligomeric reaction products with aniline
B152	75-12-7	Formamide
B153	110-00-9	Furan
B154	111-30-8	Glutaral
B155	2058-94-8	Henicosafuoroundecanoic acid
B156	376-06-7	Heptacosafuorotetradecanoic acid
B157	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
B158	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]
B159	302-01-2 7803-57-8	Hydrazine

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B160	96-45-7	Imidazolidine-2-thione (2-imidazoline-2-thiol)
B161	4247-02-3	Isobutyl 4-hydroxybenzoate
B162	7439-92-1	Lead
B163	13814-96-5	Lead bis(tetrafluoroborate)
B164	7758-97-6	Lead chromate
B165	12656-85-8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)
B166	20837-86-9	Lead cyanamidate
B167	301-04-2	Lead di(acetate)
B168	13424-46-9	Lead diazide, Lead azide
B169	10099-74-8	Lead dinitrate
B170	6477-64-1	Lead dipicrate
B171	7784-40-9	Lead hydrogen arsenate
B172	1317-36-8	Lead monoxide (lead oxide)
B173	12036-76-9	Lead oxide sulfate
B174	15245-44-0	Lead styphnate
B175	1344-37-2	Lead sulfochromate yellow (C.I. Pigment Yellow 34)
B176	12060-00-3	Lead titanium trioxide
B177	12626-81-2	Lead titanium zirconium oxide
B178	17570-76-2	Lead(II) bis(methanesulfonate)
B179	-	Medium-chain chlorinated paraffins (MCCP)
B180	108-78-1	Melamine
B181	625-45-6	Methoxyacetic acid
B182	75-56-9	Methyloxirane (Propylene oxide)
B183	101-61-1	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)
B184	127-19-5	N,N-dimethylacetamide
B185	68-12-2	N,N-dimethylformamide
B186	924-42-5	N-(hydroxymethyl)acrylamide
B187	79-16-3	N-methylacetamide
B188	776297-69-9	N-pentyl-isopentylphthalate
B189	98-95-3	Nitrobenzene
B190	335-76-2 3108-42-7 3830-45-3	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts
B191	597-82-0	O,O,O-triphenyl phosphorothioate
B192	97-56-3	o-aminoazotoluene
B193	95-53-4	o-Toluidine
B194	556-67-2	Octamethylcyclotetrasiloxane
B195	107-51-7	Octamethyltrisiloxane
B196	-	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol
B197	1314-41-6	Orange lead (lead tetroxide)
B198	13840-56-7	Orthoboric acid, sodium salt
B199	80-46-6	p-(1,1-dimethylpropyl)phenol
B200	72629-94-8	Pentacosafuorotridecanoic acid
B201	335-67-1	Pentadecafluorooctanoic acid (PFOA)
B202	12065-90-6	Pentalead tetraoxide sulphate
B203	49663-84-5	Pentazinc chromate octahydroxide
B204	338-83-0	Perfluamine
B205	-	Perfluorobutane sulfonic acid (PFBS) and its salts
B206	-	Perfluoroheptanoic acid and its salts
B207	-	Perfluorohexane-1-sulphonic acid and its salts
B208	375-95-1 21049-39-8 4149-60-4	Perfluorononan-1-oic-acid and its sodium and ammonium salts
B209	85-01-8	Phenanthrene
B210	-	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)
B211	77-09-8	Phenolphthalein
B212	65996-93-2	Pitch, coal tar, high temp.
B213	7789-00-6	Potassium chromate

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
B214	7778-50-9	Potassium dichromate
B215	11103-86-9	Potassium hydroxyoctaoxodizincatedichromate
B216	129-00-0 1718-52-1	Pyrene
B217	8012-00-8	Pyrochlore, antimony lead yellow
B218	-	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
B219	-	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)
B220	192268-65-8	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives
B221	-	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)
B222	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
B223	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]
B224	11120-22-2	Silicic acid, lead salt
B225	7775-11-3	Sodium chromate
B226	7789-12-0 10588-01-9	Sodium dichromate
B227	-	Sodium perborate,perboric acid, sodium salt
B228	7632-04-4	Sodium peroxometaborate
B229	7789-06-2	Strontium chromate
B230	62229-08-7	Sulfurous acid, lead salt, dibasic
B231	61788-32-7	Terphenyl, hydrogenated
B232	12267-73-1	Tetraboron disodium heptaoxide, hydrate
B233	78-00-2	Tetraethyllead
B234	12202-17-4	Tetralead trioxide sulphate
B235	79-01-6	Trichloroethylene
B236	307-55-1	Tricosafuorododecanoic acid
B237	15606-95-8	Triethyl arsenate
B238	1319-46-6	Trilead bis(carbonate) dihydroxide
B239	3687-31-8	Trilead diarsenate
B240	12141-20-7	Trilead dioxide phosphonate
B241	115-86-6	Triphenyl phosphate
B242	115-96-8	Tris(2-chloroethyl)phosphate
B243	1067-53-4	Tris(2-methoxyethoxy)vinylsilane
B244	-	Tris(4-nonylphenyl, brached and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and liner (4-NP)
B245	25155-23-1	Trixylyl phosphate
B246	-	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
B247	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)]

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
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)
E23	CH ₂ FC ₂	Chlorofluoromethane (HCFC-31)
E24	C ₂ HFC ₂	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 FC 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 FC ₂	Dichlorofluoroethane (HCFC-141)
E34	CH ₃ CFCl ₂	Dichlorofluoroethane (HCFC-141b)

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
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	CHBr 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
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

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
E86	C ₃ H 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-Dianisidine
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

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
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'-dixylol-p-phenylenediamine
G40	91-20-3	Naphthalene
G41	7440-02-0	Nickel (Ni) and its compounds
G42	-	N-tolyl-N-xylol-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
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)

List of Prohibited Chemical Substances

No.	CAS No./ Chemical Formula	Substance
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)