'TORAY'
TORAY PLASTICS (MALAYSIA) SDN BERHAD
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To Whom It May Concern:

From : _____

SK Teh
General Manager
Technology Centre

Date: 31st January 2024

Dear Valued Customers,

Re: Non-Inclusion of SVHC 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** conform to the **Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) under the European Parliament and Council Regulation (EC) No 1907/2006**. Substances of Very High Concern (SVHC) (last updated: 23rd Jan 2024), as listed in Table 2 below are not intentionally added in any production stage of our mentioned resin products, 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.

Table 2: Substances of Very High Concern (SVHC)

(Last updated: 23rd January 2024)

No.	Substances	CAS No.
1	(±)-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)	-
2	1,2,3-trichloropropane	96-18-4
3	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)	68515-51-5 68648-93-1
4	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6
5	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4
6	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	68515-50-4
7	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
8	1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme)	112-49-2
9	1,2-Dichloroethane	107-06-2
10	1,2-Diethoxyethane	629-14-1
11	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	110-71-4
12	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1
13	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9
14	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6
15	1,3-propanesultone	1120-71-4
16	1,4-dioxane	123-91-1
17	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”™)	-
18	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8
19	1-bromopropane (n-propyl bromide)	106-94-5
20	1-Methyl-2-pyrrolidone (NMP)	872-50-4
21	1-vinylimidazole	1072-63-5
22	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7
23	2,2'-dichloro-4,4'-methylenedianiline	101-14-4
24	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6
25	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)	1522-92-5 3296-90-0 36483-57-5 96-13-9
26	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides, covering any of their individual isomers and combinations thereof	-
27	2,4,6-tri-tert-butylphenol	732-26-3
28	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1
29	2,4-Dinitrotoluene	121-14-2
30	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1
31	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9
32	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3
33	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	80-54-6 75166-30-2 75166-31-3

34	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4
35	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7
36	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1
37	2-Ethoxyethanol	110-80-5
38	2-Ethoxyethyl acetate	111-15-9
39	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1
40	2-Methoxyaniline,o-Anisidine	90-04-0
41	2-Methoxyethanol	109-86-4
42	2-Methoxyethyl acetate	110-49-6
43	2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5
44	2-methylimidazole	693-98-1
45	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2
46	4,4'- Diaminodiphenylmethane (MDA)	101-77-9
47	4,4'-(1-methylpropylidene)bisphenol	77-40-7
48	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)]	561-41-1
49	4,4'-bis(dimethylamino)benzophenone (Michler’s ketone)	90-94-8
50	4,4'-isopropylidenediphenol	80-05-7
51	4,4'-methylenedi-o-toluidine	838-88-0
52	4,4'-oxydianiline and its salts	101-80-4
53	4,4'-sulphonyldiphenol	80-09-1
54	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9
55	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-
56	4-Aminoazobenzene	60-09-3
57	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]	-
58	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7
59	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]	-
60	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]	-
61	4-tert-butylphenol	98-54-4
62	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]	-
63	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2
64	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1
65	6-methoxy-m-toluidine (p-cresidine)	120-71-8

66	[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)]	548-62-9
67	[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)]	2580-56-5
68	[Phthalato(2-)]dioxotrilead	69011-06-9
69	Acetic acid, lead salt, basic	51404-69-4
70	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.	7738-94-5 13530-68-2
71	Acrylamide	79-06-1
72	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8
73	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 (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight	-
74	Ammonium dichromate	7789-09-5
75	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
76	Anthracene	120-12-7
77	Anthracene oil	90640-80-5
78	Anthracene oil, anthracene paste	90640-81-6
79	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2
80	Anthracene oil, anthracene paste, distn. lights	91995-17-4
81	Anthracene oil, anthracene-low	90640-82-7
82	Arsenic acid	7778-39-4
83	Barium diboron tetraoxide	13701-59-2
84	Benz[a]anthracene	56-55-3 1718-53-2
85	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7
86	Benzo[def]chrysene	50-32-8
87	Benzo[ghi]perylene	191-24-2
88	Benzo[k]fluoranthene	207-08-9
89	Benzyl butyl phthalate (BBP)	85-68-7
90	Biphenyl-4-ylamine	92-67-1
91	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7
92	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8
93	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	26040-51-7
94	Bis(2-methoxyethyl) ether	111-96-6
95	Bis(2-methoxyethyl) phthalate	117-82-8
96	Bis(4-chlorophenyl) sulphone	80-07-9
97	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5
98	Bis(tributyltin) oxide (TBTO)	56-35-9

99	Boric acid	10043-35-3 11113-50-1
100	Bumetrizole (UV-326)	3896-11-5
101	Butyl 4-hydroxybenzoate	94-26-8
102	Cadmium	7440-43-9
103	Cadmium Carbonate	513-78-0
104	Cadmium chloride	10108-64-2
105	Cadmium fluoride	7790-79-6
106	Cadmium hydroxide	21041-95-2
107	Cadmium nitrate	10022-68-1 10325-94-7
108	Cadmium oxide	1306-19-0
109	Cadmium sulphate	10124-36-4 31119-53-6
110	Cadmium sulphide	1306-23-6
111	Calcium arsenate	7778-44-1
112	Chromium trioxide	1333-82-0
113	Chrysene	218-01-9 1719-03-5
114	Cobalt dichloride	7646-79-9
115	Cobalt(II) carbonate	513-79-1
116	Cobalt(II) diacetate	71-48-7
117	Cobalt(II) dinitrate	10141-05-6
118	Cobalt(II) sulphate	10124-43-3
119	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]	85-42-7 13149-00-3 14166-21-3
120	Decamethylcyclopentasiloxane	541-02-6
121	Diarsenic pentaoxide	1303-28-2
122	Diarsenic trioxide	1327-53-3
123	Diazene-1,2-dicarboxamide (C,C`-azodi(formamide)) (ADCA)	123-77-3
124	Diboron trioxide	1303-86-2
125	Dibutyl phthalate (DBP)	84-74-2
126	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4
127	Dibutyltin dichloride (DBTC)	683-18-1
128	Dichromium tris(chromate)	24613-89-6
129	Dicyclohexyl phthalate	84-61-7
130	Diethyl sulphate	64-67-5
131	Dihexyl phthalate	84-75-3
132	Diisobutyl phthalate	84-69-5
133	Diisohexyl phthalate	71850-09-4
134	Diisopentylphthalate	605-50-5
135	Dimethyl sulphate	77-78-1
136	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7
137	Dioctyltin 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	-
138	Dioxobis(stearato)trilead	12578-12-0

139	Dipentyl phthalate (DPP)	131-18-0
140	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8
141	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0
142	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)	1937-37-7
143	Disodium octaborate	12008-41-2
144	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3
145	Dodecamethylcyclohexasiloxane	540-97-6
146	Ethylenediamine	107-15-3
147	Fatty acids, C16-18, lead salts	91031-62-8
148	Fluoranthene	206-44-0 93951-69-0
149	Formaldehyde, oligomeric reaction products with aniline	25214-70-4
150	Formamide	75-12-7
151	Furan	110-00-9
152	Glutaral	111-30-8
153	Henicosafluoroundecanoic acid	2058-94-8
154	Heptacosafluorotetradecanoic acid	376-06-7
155	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8
156	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]	25550-51-0 19438-60-9 48122-14-1 57110-29-9
157	Hydrazine	302-01-2 7803-57-8
158	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7
159	Isobutyl 4-hydroxybenzoate	4247-02-3
160	Lead	7439-92-1
161	Lead bis(tetrafluoroborate)	13814-96-5
162	Lead chromate	7758-97-6
163	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8
164	Lead cyanamidate	20837-86-9
165	Lead di(acetate)	301-04-2
166	Lead diazide, Lead azide	13424-46-9
167	Lead dinitrate	10099-74-8
168	Lead dipicrate	6477-64-1
169	Lead hydrogen arsenate	7784-40-9
170	Lead monoxide (lead oxide)	1317-36-8
171	Lead oxide sulfate	12036-76-9
172	Lead styphnate	15245-44-0
173	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2
174	Lead titanium trioxide	12060-00-3

175	Lead titanium zirconium oxide	12626-81-2
176	Lead(II) bis(methanesulfonate)	17570-76-2
177	Medium-chaim chlorinated paraffins (MCCP)	-
178	Melamine	108-78-1
179	Methoxyacetic acid	625-45-6
180	Methyloxirane (Propylene oxide)	75-56-9
181	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1
182	N,N-dimethylacetamide	127-19-5
183	N,N-dimethylformamide	68-12-2
184	N-(hydroxymethyl)acrylamide	924-42-5
185	N-methylacetamide	79-16-3
186	N-pentyl-isopentylphthalate	776297-69-9
187	Nitrobenzene	98-95-3
188	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3108-42-7 3830-45-3
189	o-aminoazotoluene	97-56-3
190	o-Toluidine	95-53-4
191	Octamethylcyclotetrasiloxane	556-67-2
192	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-
193	Orange lead (lead tetroxide)	1314-41-6
194	Orthoboric acid, sodium salt	13840-56-7
195	p-(1,1-dimethylpropyl)phenol	80-46-6
196	Pentacosafluorotridecanoic acid	72629-94-8
197	Pentadecafluorooctanoic acid (PFOA)	335-67-1
198	Pentalead tetraoxide sulphate	12065-90-6
199	Pentazinc chromate octahydroxide	49663-84-5
200	Perfluorobutane sulfonic acid (PFBS) and its salts	-
201	Perfluoroheptanoic acid and its salts	-
202	Perfluorohexane-1-sulphonic acid and its salts	-
203	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4
204	Phenanthrene	85-01-8
205	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-
206	Phenolphthalein	77-09-8
207	Pitch, coal tar, high temp.	65996-93-2
208	Potassium chromate	7789-00-6
209	Potassium dichromate	7778-50-9
210	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9
211	Pyrene	129-00-0 1718-52-1
212	Pyrochlore, antimony lead yellow	8012-00-8
213	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	-

214	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)	-
215	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-
216	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	255881-94-8
217	Silicic acid (H2Si2O5), 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]	68784-75-8
218	Silicic acid, lead salt	11120-22-2
219	Sodium chromate	7775-11-3
220	Sodium dichromate	7789-12-0 10588-01-9
221	Sodium perborate,perboric acid, sodium salt	-
222	Sodium peroxometaborate	7632-04-4
223	Strontium chromate	7789-06-2
224	Sulfurous acid, lead salt, dibasic	62229-08-7
225	Terphenyl, hydrogenated	61788-32-7
226	Tetraboron disodium heptaoxide, hydrate	12267-73-1
227	Tetraethyllead	78-00-2
228	Tetralead trioxide sulphate	12202-17-4
229	Trichloroethylene	79-01-6
230	Tricosafluorododecanoic acid	307-55-1
231	Triethyl arsenate	15606-95-8
232	Trilead bis(carbonate) dihydroxide	1319-46-6
233	Trilead diarsenate	3687-31-8
234	Trilead dioxide phosphonate	12141-20-7
235	Tris(2-chloroethyl)phosphate	115-96-8
236	Tris(2-methoxyethoxy)vinylsilane	1067-53-4
237	Tris(4-nonylphenyl, brached and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and liner (4-NP)	-
238	Trixylyl phosphate	25155-23-1
239	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 (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight	-
240	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)]	6786-83-0