

'TORAY'

# TORAY PLASTICS (MALAYSIA) SDN BERHAD (46619-P)

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To Whom It May Concern:

From :   
KL Yee  
Manager  
Technology Centre

Date: 3<sup>rd</sup> January 2012

**Dear Valued Customers,**  
**Re: Non-Inclusion of SVHC in "TOYOLAC" ABS resin**

We wish to express our deepest appreciation for your excellent support towards our "TOYOLAC" ABS resin. Toray Plastics (Malaysia) Sdn. Bhd. (TPM), herein declares that **Substances of Very High Concern (SVHC) under Regulation (EC) No. 1907/2006 ("REACH Regulation")**, listed in Table 1: Substances of Very High Concern, are not intentionally added in any production stage of "TOYOLAC" ABS resin (Natural and Black colors), namely General Purpose grades, Glass Fiber Reinforced grades, High Heat grades, Flame Retardant grades, Transparent grades and Specialty grades, to best of our knowledge.

In view of the many factors that may affect processing and application of our products, these data 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: Substances of Very High Concern**

No.	Substances	CAS Number
1.	Anthracene	120-12-7
2.	4,4'- Diaminodiphenylmethane (MDA)	101-77-9
3.	Dibutyl phthalate (DBP)	84-74-2
4.	Cobalt dichloride	7646-79-9
5.	Diarsenic pentaoxide	1303-28-2
6.	Diarsenic trioxide	1327-53-3
7.	Sodium dichromate	7789-12-0, 10588-01-9
8.	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2
9.	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7
10.	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:	25637-99-4, 3194-55-6, Alpha-hexabromocyclododecane 134237-50-6, Beta-hexabromocyclododecane 134237-51-7, Gamma-hexabromocyclododecane 134237-52-8
11.	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8
12.	Bis(tributyltin)oxide (TBTO)	56-35-9
13.	Lead hydrogen arsenate	7784-40-9
14.	Triethyl arsenate	15606-95-8
15.	Benzyl butyl phthalate (BBP)	85-68-7

No.	Substances	CAS Number
16.	Anthracene oil	90640-80-5
17.	Anthracene oil, anthracene paste, distn.lights	91995-17-4
18.	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2
19.	Anthracene oil, anthracene-low	90640-82-7
20.	Anthracene oil, anthracene paste	90640-81-6
21.	Pitch, coal tar, high temp.	65996-93-2
22.	Acrylamide	79-06-1
23.	Aluminosilicate Refractory Ceramic Fibres	-
24.	Zirconia Aluminosilicate, Refractory Ceramic Fibres	-
25.	2,4-Dinitrotoluene	121-14-2
26.	Diisobutyl phthalate	84-69-5
27.	Lead chromate	7758-97-6
28.	Lead chromate molybdate sulphate red (C.I.Pigment Red 104)	12656-85-8
29.	Lead sulphochromate yellow (C.I.Pigment Yellow 34)	1344-37-2
30.	Tris(2-chloroethyl)phosphate	115-96-8
31.	Trichloroethylene	79-01-6
32.	Boric acid	10043-35-3, 11113-50-1
33.	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3
34.	Tetraboron disodium heptaoxide, hydrate	12267-73-1
35.	Sodium chromate	7775-11-3
36.	Potassium chromate	7789-00-6
37.	Ammonium dichromate	7789-09-5
38.	Potassium dichromate	7778-50-9
39.	Cobalt(II) sulphate	10124-43-3
40.	Cobalt(II) dinitrate	10141-05-6
41.	Cobalt(II) carbonate	513-79-1
42.	Cobalt(II) diacetate	71-48-7
43.	2-Methoxyethanol	109-86-4
44.	2-Ethoxyethanol	110-80-5
45.	Chromium trioxide	1333-82-0
46.	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	7738-94-5 - 13530-68-2
47.	2-Ethoxyethyl acetate	111-15-9
48.	Strontium chromate	7789-06-2
49.	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl ethers	68515-42-4
50.	Hydrazine	302-01-2 7803-57-8
51.	1-Methyl-2-pyrrolidone	872-50-4
52.	1,2,3-Trichloropropane	96-18-4
53.	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6
54.	Dichromium tris (chromate)	24613-89-6
55.	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9
56.	Pentazinc chromate octahydroxide	49663-84-5
57.	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4
58.	Bis(2-methoxyethyl) phthalate	117-82-8
59.	2-Methoxyaniline; o-Anisidine	90-04-0
60.	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9
61.	1,2-Dichloroethane	107-06-2
62.	Bis(2-methoxyethyl) ether	111-96-6
63.	Arsenic acid	7778-39-4
64.	Calcium arsenate	7778-44-1
65.	Trilead diarsenate	3687-31-8
66.	N,N-dimethylacetamide (DMAC)	127-19-5

<b>No.</b>	<b>Substances</b>	<b>CAS Number</b>
67.	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4
68.	Phenolphthalein	77-09-8
69.	Lead azide and Lead diazide	13424-46-9
70.	Lead styphnate	15245-44-0
71.	Lead dipicrate	6477-64-1