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TO : Whom it may concern,

From : Takayuki Hase  
Quality Assurance Section

Date : October 27, 2014

Dear Customer,

### Declaration of Chemical Substances for ABS Resin "Toyolac"

#### 1. Product names

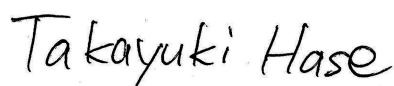
- (1) Toray ABS Resin "TOYOLAC" all grades
- (2) Toray ABS Resin "TOYOLACPAREL" all grades
- (3) Toray MABS Resin "TOYOLAC" all grades
- (4) Toray MABS Resin "TOYOLACPAREL" all grades
- (5) Toray ABS Resin "TOYOLAC" ALLOY all grades

#### 2. List name of chemical substances

“Candidate List of Substances of Very High Concern  
(Date of publication 2014/9/1)”

Please be informed that any chemical substances listed in table A are not used in our process in an attempt to produce our products. If you have any queries, please feel free to contact us. Thank you.

Best regards.



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**Takayuki Hase**  
**Quality Assurance Section Manager**  
**Chiba Plant**  
**Toray Industries, Inc.**

Table A "Candidate List of Substances of Very High Concern "

"Candidate List of Substances of Very High Concern for authorisation (ECHA)" (Updated on 18/06/2010)			
No.	Substance Name	EC No.	CAS. No.
1	2,4-Dinitrotoluene	204-450-0	121-14-2
2	4,4'-Diaminodiphenylmethane	202-974-4	101-77-9
3	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2
4	Acrylamide	201-173-7	79-06-1
5	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8
6	Aluminosilicate Refractory Ceramic Fibres	-	-
7	Ammonium dichromate	232-143-1	7789-09-5
8	Anthracene	204-371-1	120-12-7
9	Anthracene oil	292-602-7	90640-80-5
10	Anthracene oil anthracene paste	292-603-2	90640-81-6
11	Anthracene oil anthracene paste anthracene fraction	295-275-9	91995-15-2
12	Anthracene oil anthracene paste, distn. Lights	295-278-5	91995-17-4
13	Anthracene oil anthracene-low	292-604-8	90640-82-7
14	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7
15	Bis(2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7
16	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9
17	Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1
18	Cobalt dichloride	231-589-4	7646-79-9
19	Diarsenic pentaoxide	215-116-9	1303-28-2
20	Diarsenic trioxide	215-481-4	1327-53-3
21	Dibutyl phthalate (DBP)	201-557-4	84-74-2
22	Diisobutyl phthalate	201-553-2	84-69-5
23	Disodium tetraborate, anhydrous	215-540-4	1330-45-4, 13179-04-3, 1303-96-4
24	Hexabromocyclododecane (HBCDD) all major diastereoisomers identified Alpha-hexabromocyclododecane (CAS.No. 134237-50-6) Beta-hexabromocyclododecane (CAS.No.134237-51-7) Gamma-hexabromocyclododecane (CAS.No.134237-52-8)	247-148-4, 221-695-9	25637-99-4, 3194-55-6
25	Lead chromate	231-846-0	7758-97-6
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8
27	Lead hydrogen arsenate	232-064-2	7784-40-9
28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-893-7	1344-37-2
29	Pitch, coal tar, high temp.	266-028-2	65996-93-2
30	Potassium chromate	232-140-5	7789-00-6
31	Potassium dichromate	231-906-6	7778-50-9
32	Sodium chromate	231-889-5	7775-11-3
33	Sodium dichromate	234-190-3	10588-01-9, 7789-12-0
34	Terraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1
35	Trichloroethylene	201-167-4	79-01-6
36	Triethyl arsenate	427-700-2	15606-95-8
37	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8
38	Zirconia Aluminosilicate Refractory Ceramic Fibres	-	-
39	Cyclododecane	206-033-9	294-62-2
"Public Consultation on Eleven Potential Substances of Very High Concern" (Press Release:30/08/2010)			
No.	Substance Name	EC No.	CAS. No.
1	1,2,3-Trichlorobenzene	201-757-1	87-61-6
2	1,2,4-Trichlorobenzene	204-428-0	120-82-1
3	1,3,5-Trichlorobenzene	203-608-6	108-70-3
4	Cobalt(II)sulphate	233-334-2	10124-43-3
5	Cobalt(II)dinitrate	233-402-1	10141-05-6
6	Cobalt(II)carbonate	208-169-4	513-79-1
7	Cobalt(II)diacetate	200-755-8	71-48-7
8	2-Methoxyethanol	203-713-7	109-86-4
9	2-Ethoxyethanol	203-804-1	110-80-5
10	Chromium trioxide	215-607-8	1333-82-0
11	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	231-801-5 236-881-5 -	7738-94-5 13530-68-2 -
"Proposals to identify Substances of Very High Concern" (Press Release:21/02/2011)			
No.	Substance Name	EC No.	CAS. No.
1	Cobalt dichloride	231-589-4	7646-79-9
2	2-ethoxyethyl acetate	203-839-2	111-15-9
3	strontium chromate	232-142-6	7789-06-2
4	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4
5	Hydrazine	206-114-9	7803-57-8, 302-01-2
6	1-methyl-2-pyrrolidone	212-828-1	872-50-4
7	1,2,3-trichloropropane	202-486-1	96-18-4
8	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6
"Candidate List of Substances of Very High Concern for authorisation" (Press Release:29/08/2011)			
No.	Substance Name	EC No.	CAS. No.
1	Dichromium tris(chromate)	246-356-2	24613-89-6
2	Potassium hydroxyoctaoxodizincatedi-chromate	234-329-8	11103-86-9
3	Pentazinc chromate octahydroxide	256-418-0	49663-84-5
4	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	-
5	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	-
6	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4
7	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8
8	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0
9	4-[(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	205-426-2	140-66-9
10	1,2-Dichloroethane	03-458-1	107-06-2
11	Bis(2-methoxyethyl) ether	203-924-4	111-96-6
12	Arsenic acid	231-901-9	7778-39-4
13	Calcium arsenate	231-904-5	7778-44-1
14	Trilead diarsenate	222-979-5	3687-31-8
15	N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5
16	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4
17	Phenolphthalein	201-004-7	77-09-8
18	Lead azide Lead diazide	236-542-1	13424-46-9
19	Lead styphnate	239-290-0	15245-44-0
20	Lead dipicrate	229-335-2	6477-64-1
"ECHA has launched a new public consultation on thirteen potential Substances of Very High Concern" (Press Release:28/02/2012)			
No.	Substance Name	EC No.	CAS. No.
1	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2
2	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4
3	Diboron trioxide	215-125-8	1303-86-2
4	Formamide	200-842-0	75-12-7
5	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2
6	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	219-514-3	2451-62-9
7	8-TGIC (1,3,5-tris((2S and 2R)-2,3-epoxypropyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	423-400-0	59653-74-6
8	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8
9	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1
10	[4-[(4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	208-953-6	548-62-9
11	[4-[[4-anilino-1-naphthyl]](4-(dimethylamino)phenyl)methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	219-943-6	2580-56-5
12	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0
13	4,4'-bis(dimethylamino)-4'-(methylanino)trityl alcohol	209-218-2	561-41-1

Table A "Candidate List of Substances of Very High Concern"

"Substances proposed for identification as SVHC and reasons for their proposal" (Press Release:03/09/2012)			
No.	Substance Name	EC No.	CAS. No.
1	Bis(pentabromophenyl) ether (DecaBDE)	214-604-9	1163-19-5
2	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8
3	Tricosafuorododecanoic acid	206-203-2	307-55-1
4	Henicosafuoroundecanoic acid	218-165-4	2058-94-8
5	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7
6	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB UVCB substances, polymers and homologues	-	-
7	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	-	-
8	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3
9	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3
10	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9
11	Methoxy acetic acid	210-894-6	625-45-6
12	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0
13	Diisopentylphthalate (DIPP)	210-088-4	605-50-5
14	N-pentyl-isopentylphthalate	-	776297-69-9
15	1,2-Diethoxyethane	211-076-1	629-14-1
16	N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2
17	Dibutyltin dichloride (DBT)	211-670-0	683-18-1
18	Acetic acid, lead salt, basic	257-175-3	51404-69-4
19	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	215-290-6	1319-46-6
20	Lead oxide sulfate (basic lead sulfate)	234-853-7	12036-76-9
21	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	273-688-5	69011-06-9
22	Dioxobis(stearato)trilead	235-702-8	12578-12-0
23	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8
24	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5
25	Lead cyanamide	244-073-9	20837-86-9
26	Lead dinitrate	233-245-9	10099-74-8
27	Lead oxide (lead monoxide)	215-267-0	1317-36-8
28	Lead tetroxide (orange lead)	215-235-6	1314-41-6
29	Lead titanium trioxide	235-038-9	12060-00-3
30	Lead Titanium Zirconium Oxide	235-727-4	12626-81-2
31	Pentalead tetraoxide sulphate	232-382-1	8012-00-8
32	Pyrochlore, antimony lead yellow	235-067-7	12065-90-6
33	Silicic acid, barium salt, lead-doped	272-271-5	68784-75-8
34	Silicic acid, lead salt	234-363-3	11120-22-2
35	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7
36	Tetraethyllead	201-075-4	78-00-2
37	Tetralead trioxide sulphate	235-380-9	12202-17-4
38	Trilead dioxide phosphonate	235-252-2	12141-20-7
39	Furan	203-727-3	110-00-9
40	Propylene oxide; 1,2-epoxypropane; methyloxirane	200-879-2	75-56-9
41	Diethyl sulphate	200-589-6	64-67-5
42	Dimethyl sulphate	201-058-1	77-78-1
43	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2
44	Dinoseb	201-861-7	68-85-7
45	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0
46	4,4'-oxydianiline and its salts	202-977-0	101-80-4
47	4-Aminoazobenzene; 4-Phenylazoaniline	200-453-6	60-09-3
48	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	202-453-1	95-80-7
49	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8
50	Biphenyl-4-ylamine	202-177-1	92-67-1
51	o-aminoazotoluene	202-591-2	97-56-3
52	o-Toluidine; 2-Aminotoluene	202-429-0	95-53-4
53	N-methylacetamide	201-182-6	79-16-3
54	1-bromopropane; n-propyl bromide	203-445-0	106-94-5
"Proposals to identify Substances of Very High Concern current consultations" (Date of publication:03/04/2013)			
No.	Substance Name	EC No.	CAS. No.
1	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1
2	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1
3	Cadmium oxide	215-146-2	1306-19-0
4	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7
5	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1
6	Ammoniumpentadecafluorooctanoate (APFO)	223-320-4	3825-26-1
7	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3
8	Cadmium	231-152-8	7440-43-9
9	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, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	-
10	Dipentyl phthalate (DPP)	205-017-9	131-18-0
10th SVHC Public consultation for 7 substances (2013/9/2~10/17)			
No.	Substance Name	EC No.	CAS. No.
1	Cadmium sulphide	215-147-8	1306-23-6
2	Dihexyl phthalate	201-559-5	84-75-3
3	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0
4	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)	217-710-3	1937-37-7
5	Imidazolidine-2-thione; 2-imidazoline-2-thiol	202-506-9	96-45-7
6	Lead di(acetate)	206-104-4	301-04-2
7	Triethyl phosphate	246-677-8	25155-23-1
Proposals to identify substances of very high concern previous consultations (Date of publication 2014/3/3)			
No.	Substance Name	EC No.	CAS. No.
1	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4
2	Cadmium chloride	233-296-7	10108-64-2
3	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-
4	Sodium peroxometaborate	231-556-4	7632-04-4
Proposals to identify substances of very high concern previous consultations (Date of publication 2014/9/1)			
No.	Substance Name	EC No.	CAS. No.
1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1
2	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7
3	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1
4	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7
5	Bis(2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7
6	Cadmium fluoride	232-222-0	7790-79-6
7	Cadmium sulphate	233-331-6	10124-36-4; 31119-53-6
8	Dibutyl phthalate (DBP)	201-557-4	84-74-2
9	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5
10	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and	-	-