



The Chemical Company

Ecology & Safety

Product Stewardship

September 17, 2014

Product Declaration: **EU REACH SVHC Candidates & Annex XIV**

Product Lines: Styropor® BF
Styropor® BFL
Styropor® P

Dear Valued Customer:

This letter is in regard to your request for information on the BASF product lines listed above.

The BASF Styropor BF and BFL products do contain Hexabromocyclododecane (HBCD) above 0.1%. To the best of our knowledge, none of the remaining materials (identified in the table below) are present or generated during production. Since we do not expect these materials to be present, we do not specifically run any analysis on our raw materials or end products to measure for these materials.

The Table below contains substances that are included by European Chemicals Agency (ECHA) on the Candidate List of Substances of Very High Concern (SVHC) for Authorization as defined in Articles 33, 57 and 59(1), and as referenced on ECHA's Candidate List of Substances of Very High Concern and those substances that have been added to Annex XIV (Article 58).

Table 1 – Chemicals on the Candidate List of Substances of Very High Concern for Authorization & Annex XIV

Substance name	CAS number	EC number	Proposed Date	Date of Inclusion	Annex XIV
Anthracene	120-12-7	204-371-1	10/9/2008	10/28/2008	
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	10/9/2008	10/28/2008	2/14/2012
Dibutyl phthalate (DBP)	84-74-2	201-557-4	10/9/2008	10/28/2008	2/14/2012
Cobalt dichloride	7646-79-9	231-589-4	10/9/2008	10/28/2008	
Diarsenic pentaoxide	1303-28-2	215-116-9	10/9/2008	10/28/2008	2/14/2012
Diarsenic trioxide	1327-53-3	215-481-4	10/9/2008	10/28/2008	2/14/2012
Sodium dichromate, dehydrate	7789-12-0 10588-01-9	234-190-3	10/9/2008	10/28/2008	4/13/2013
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	10/9/2008	10/28/2008	2/14/2012
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	10/9/2008	10/28/2008	2/14/2012
Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 134237-51-7 134237-50-6 134237-52-8	247-148-4 221-694-9	10/9/2008	10/28/2008	2/14/2012
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	10/9/2008	10/28/2008	
Bis(tributyltin)oxide	56-35-9	200-268-0	10/9/2008	10/28/2008	
Lead hydrogen arsenate	7784-40-9	232-064-2	10/9/2008	10/28/2008	



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Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	10/9/2008	10/28/2008	2/14/2012
Triethyl arsenate	15606-95-8	427-700-2	10/9/2008	10/28/2008	
Anthracene oil	90640-80-5	292-602-7	9/01/2009	1/13/2010	
Anthracene oil, paste, distn. Lights	91995-17-4	295-278-5	9/01/2009	1/13/2010	
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	9/01/2009	1/13/2010	
Anthracene oil, anthracene-low	90640-82-7	292-604-8	9/01/2009	1/13/2010	
Anthracene oil, anthracene paste	90640-81-6	292-603-2	9/01/2009	1/13/2010	
Coal tar pitch, high temperature	65996-93-2	266-028-2	9/01/2009	1/13/2010	
Acrylamide	79-06-1	201-173-7	9/01/2009	3/30/2010	
Aluminosilicate, refractory ceramic fibres	-	650-017-00-8	9/01/2009	1/13/2010	
Zirconia aluminosilicate, refractory ceramic fibres	-	650-017-00-8	9/01/2009	1/13/2010	
2,4-Dinitrotoluene	121-14-2	204-450-0	9/01/2009	1/13/2010	2/14/2012
Diisobutyl phthalate	84-69-5	201-553-2	9/01/2009	1/13/2010	2/14/2012
Lead chromate	7758-97-6	231-846-0	9/01/2009	1/13/2010	2/14/2012
Lead chromate molybdate	12656-85-8	235-759-9	9/01/2009	1/13/2010	2/14/2012
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	9/01/2009	1/13/2010	2/14/2012
Tris(2-chloroethyl) phosphate	115-96-8	204-118-5	9/01/2009	1/13/2010	2/14/2012
Trichloroethylene	79-01-6	201-167-4	3/8/2010	6/18/2010	4/13/2013
Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	3/8/2010	6/18/2010	
Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4	215-540-4	3/8/2010	6/18/2010	
Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	3/8/2010	6/18/2010	
Sodium chromate	7775-11-3	231-869-5	3/8/2010	6/18/2010	4/13/2013
Potassium chromate	7789-00-6	232-140-5	3/8/2010	6/18/2010	4/13/2013
Ammonium dichromate	7789-09-5	232-143-1	3/8/2010	6/18/2010	4/13/2013
Potassium dichromate	7778-50-9	231-906-6	3/8/2010	6/18/2010	4/13/2013
Cobalt(II) sulphate	10124-43-3	233-334-2	8/30/2010	12/15/2010	12/21/2011*
Cobalt(II) dinitrate	10141-05-6	233-402-1	8/30/2010	12/15/2010	12/21/2011*
Cobalt(II) carbonate	513-79-1	208-169-4	8/30/2010	12/15/2010	12/21/2011*
Cobalt(II) diacetate	71-48-7	200-755-8	8/30/2010	12/15/2010	12/21/2011*
2-Methoxyethanol	109-86-4	203-713-7	8/30/2010	12/15/2010	
2-Ethoxyethanol	110-80-5	203-804-1	8/30/2010	12/15/2010	
Chromium trioxide	1333-82-0	215-607-8	8/30/2010	12/15/2010	4/13/2013
Chromic acid	7738-94-5	231-801-5	8/30/2010	12/15/2010	4/13/2013
Dichromic acid	13530-68-2	236-881-5	8/30/2010	12/15/2010	4/13/2013
2-ethoxyethyl acetate	111-15-9	203-839-2	5/31/2011	6/20/2011	
Strontium chromate	7789-06-2	232-142-6	5/31/2011	6/20/2011	
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	5/31/2011	6/20/2011	
Hydrazine, monohydrate	7803-57-8	206-114-9	5/31/2011	6/20/2011	
Hydrazine	302-01-2	206-114-9	5/31/2011	6/20/2011	



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1-methyl-2-pyrrolidone	872-50-4	212-828-1	5/31/2011	6/20/2011	
1,2,3-Trichloropropane	96-18-4	202-486-1	5/31/2011	6/20/2011	
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	5/31/2011	6/20/2011	
Calcium arsenate	7778-44-1	231-904-5	8/29/11	12/19/2011	
bis(2-methoxyethyl) ether	111-96-6	203-924-4	8/29/11	12/19/2011	
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	8/29/11	12/19/2011	
Lead dipicrate	6477-64-1	229-335-2	8/29/11	12/19/2011	
N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	8/29/11	12/19/2011	
Arsenic acid	7778-39-4	231-901-9	8/29/11	12/19/2011	
2-Methoxyaniline o-Anisidine	90-04-0	201-963-1	8/29/11	12/19/2011	
Trilead diarsenate	3687-31-8	222-979-5	8/29/11	12/19/2011	
1,2-Dichloroethane	107-06-2	203-458-1	8/29/11	12/19/2011	
Pentazinc chromate octahydroxide	49663-84-5	256-418-0	8/29/11	12/19/2011	
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	8/29/11	12/19/2011	
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	8/29/11	12/19/2011	
Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	8/29/11	12/19/2011	
Lead diazide	13424-46-9	236-542-1	8/29/11	12/19/2011	
Lead styphnate	15245-44-0	239-290-0	8/29/11	12/19/2011	
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	8/29/11	12/19/2011	
Phenolphthalein	77-09-8	201-004-7	8/29/11	12/19/2011	
Dichromium tris(chromate)	24613-89-6	246-356-2	8/29/11	12/19/2011	
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	2/28/2012	6/18/2012	
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	2/28/2012	6/18/2012	
Diboron trioxide	1303-86-2	215-125-8	2/28/2012	6/18/2012	
Formamide	75-12-7	200-842-0	2/28/2012	6/18/2012	
Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	2/28/2012	6/18/2012	
TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	219-514-3	2/28/2012	6/18/2012	
β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	2/28/2012	6/18/2012	
4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	2/28/2012	6/18/2012	
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	2/28/2012	6/18/2012	
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	2/28/2012	6/18/2012	
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-	2580-56-5	219-943-6	2/28/2012	6/18/2012	



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1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)					
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	2/28/2012	6/18/2012	
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	2/28/2012	6/18/2012	
Pyrochlore, antimony lead yellow (C.I. Pigment Yellow 41)	8012-00-8 12710-25-7 68187-20-2	232-382-1	9/3/2012	12/19/2012	
6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	9/3/2012	12/19/2012	
o-aminoazotoluene	97-56-3	202-591-2	9/3/2012	12/19/2012	
Henicosfluoroundecanoic acid	2058-94-8	218-165-4	9/3/2012	12/19/2012	
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] <i>[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] <td>25550-51-0 19438-60-9 48122-14-1 57110-29-9</td> <td>247-094-1 243-072-0 256-356-4 260-566-1</td> <td>9/3/2012</td> <td>12/19/2012</td> <td></td>	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	9/3/2012	12/19/2012	
Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] <i>[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] <td>85-42-7 13149-00-3 14166-21-3</td> <td>201-604-9 236-086-3 238-009-9</td> <td>9/3/2012</td> <td>12/19/2012</td> <td></td>	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	9/3/2012	12/19/2012	
Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	9/3/2012	12/19/2012	
N-pentyl-isopentylphthalate	776297-69-9	-	9/3/2012	12/19/2012	
4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	9/3/2012	12/19/2012	
Diethyl sulphate	64-67-5	200-589-6	9/3/2012	12/19/2012	
Dimethyl sulphate	77-78-1	201-058-1	9/3/2012	12/19/2012	
Lead oxide sulfate	12036-76-9	234-853-7	9/3/2012	12/19/2012	
Lead titanium trioxide	12060-00-3	235-038-9	9/3/2012	12/19/2012	
Acetic acid, lead salt, basic	51404-69-4	257-175-3	9/3/2012	12/19/2012	
[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	9/3/2012	12/19/2012	
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	9/3/2012	12/19/2012	
N-methylacetamide	79-16-3	201-182-6	9/3/2012	12/19/2012	
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	9/3/2012	12/19/2012	
1,2-Diethoxyethane	629-14-1	211-076-1	9/3/2012	12/19/2012	
Tetralead trioxide sulphate	12202-17-4	235-380-9	9/3/2012	12/19/2012	
Dioxobis(stearato)trilead	12578-12-0	235-702-8	9/3/2012	12/19/2012	
Tetraethyllead	78-00-2	201-075-4	9/3/2012	12/19/2012	
Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	9/3/2012	12/19/2012	
Lead dinitrate	10099-74-8	233-245-9	9/3/2012	12/19/2012	
Silicic acid, lead salt	11120-22-2	234-363-3	9/3/2012	12/19/2012	



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4-Aminoazobenzene	60-09-3	200-453-6	9/3/2012	12/19/2012	
Lead titanium zirconium oxide	12626-81-2	235-727-4	9/3/2012	12/19/2012	
Lead monoxide (lead oxide)	1317-36-8	215-267-0	9/3/2012	12/19/2012	
o-Toluidine	95-53-4	202-429-0	9/3/2012	12/19/2012	
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	9/3/2012	12/19/2012	
Silicic acid barium salt	68784-75-8	272-271-5	9/3/2012	12/19/2012	
Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	9/3/2012	12/19/2012	
Furan	110-00-9	203-727-3	9/3/2012	12/19/2012	
N,N-dimethylformamide	68-12-2	200-679-5	9/3/2012	12/19/2012	
Pentalead tetraoxide sulphate	12065-90-6	235-067-7	9/3/2012	12/19/2012	
Pentacosaflluorotridecanoic acid	72629-94-8	276-745-2	9/3/2012	12/19/2012	
Tricosaflluorododecanoic acid	307-55-1	206-203-2	9/3/2012	12/19/2012	
Heptacosaflluorotetradecanoic acid	376-06-7	206-803-4	9/3/2012	12/19/2012	
1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	9/3/2012	12/19/2012	
Methoxyacetic acid	625-45-6	210-894-6	9/3/2012	12/19/2012	
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	9/3/2012	12/19/2012	
Methyloxirane (Propylene oxide)	75-56-9	200-879-2	9/3/2012	12/19/2012	
Trilead dioxide phosphonate	12141-20-7	235-252-2	9/3/2012	12/19/2012	
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	9/3/2012	12/19/2012	
4,4'-oxydianiline and its salts	101-80-4	202-977-0	9/3/2012	12/19/2012	
Orange lead (lead tetroxide)	1314-41-6	215-235-6	9/3/2012	12/19/2012	
Biphenyl-4-ylamine	92-67-1	202-177-1	9/3/2012	12/19/2012	
Diisopentylphthalate	605-50-5	210-088-4	9/3/2012	12/19/2012	
Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	9/3/2012	12/19/2012	
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	9/3/2012	12/19/2012	
Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	9/3/2012	12/19/2012	
Lead cyanamidate	20837-86-9	244-073-9	9/3/2012	12/19/2012	
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	2315-67-5 2315-61-9 9002-93-1 2497-59-8	-	9/3/2012	12/19/2012	
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]	84852-15-3 26543-97-5 104-40-5 17406-66-9 30784-30-6 52427-13-1 186825-36-5 142731-63-3	-	9/3/2012	12/19/2012	
Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	6/20/2013	6/20/2013	
Dipentyl phthalate (DPP)	131-18-0	205-017-9	6/20/2013	6/20/2013	
4-Nonylphenol, branched and linear, ethoxylated	26027-38-3 7311-27-5 20427-84-3 34166-38-6	- 230-770-5 243-816-4 -	6/20/2013	6/20/2013	



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	27942-27-4 14409-72-4 25154-52-3 84852-15-3 9036-19-5 11081-15-5 27013-89-4 39342-50-2 9002-93-1 27193-28-8 67554-50-1 9063-89-2 68987-90-6 70955-69-0 26027-38-3 140-66-9 9004-87-9 104-40-5	248-743-1 - 246-672-0 284-325-5 - 234-304-1 248-164-4 - - 248-310-7 266-717-8 - - - 500-045-0 205-426-2 - 203-199-4			
Cadmium oxide	1306-19-0	215-146-2	6/20/2013	6/20/2013	
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	6/20/2013	6/20/2013	
Cadmium	7440-43-9	231-152-8	6/20/2013	6/20/2013	
Cadmium sulphide	1306-23-6	215-147-8	9/2/2013	12/16/2013	
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	217-710-3	9/2/2013	12/16/2013	
Dihexyl phthalate	84-75-3	201-559-5	9/2/2013	12/16/2013	
Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9	9/2/2013	12/16/2013	
Trixylyl phosphate	25155-23-1	246-677-8	9/2/2013	12/16/2013	
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	9/2/2013	12/16/2013	
Lead di(acetate)	301-04-2	206-104-4	9/2/2013	12/16/2013	

For future reference, substances under SVHC consultation by ECHA can be found at the following link:

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

Should you have any further questions concerning these products, please contact me.



The Chemical Company

Regards,
BASF Corporation

A handwritten signature in cursive script that reads "Timothy P. Sanborn".

Timothy P. Sanborn
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http://www.basf.com/businesses/plasticportal/regulatory_agency/pp_lit_regulatory_agency_en.html

For Regulatory and Agency approval letters and information, please go to our Plastics Portal link shown above

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