

**Candidate List of substances of very high concern for Authorisation
(published in accordance with Article 59(10) of the REACH Regulation) - January 2018**

Name	CAS no.	Date of inclusion	Present Yes/No
Benz[a]anthracene	56-55-3, 1718-53-2	15/01/2018	No
Cadmium carbonate	513-78-0	15/01/2018	No
Cadmium hydroxide	21041-95-2	15/01/2018	No
Cadmium nitrate	10022-68-1, 10325-94-7	15/01/2018	No
Chrysene	218-01-9, 1719-03-5	15/01/2018	No
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)	-	15/01/2018	No
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	15/01/2018	No
Perfluorohexane-1-sulphonic acid and its salts	-	07/07/2017	No
4,4'-isopropylidenediphenol	80-05-7	12/01/2017	No
4-heptylphenol, branched and linear	-	12/01/2017	No
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	12/01/2017	No
Nonadecafluorodecanoic acid	335-76-2	12/01/2017	No
Ammonium nonadecafluorodecanoate	3108-42-7	12/01/2017	No
Decanoic acid, nonadecafluoro-, sodium salt	3830-45-3	12/01/2017	No
p-(1,1-dimethylpropyl)phenol	80-46-6	12/01/2017	No
Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	20/06/2016	No
1,3-propanesultone	1120-71-4	17/12/2015	No
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	17/12/2015	No
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	17/12/2015	No
Nitrobenzene	98-95-3	17/12/2015	No
Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	17/12/2015	No
Perfluorononan-1-oic-acid	375-95-1	17/12/2015	No
Sodium salts of perfluorononan-1-oic-acid	-, 21049-39-8	17/12/2015	No
Ammonium salts of perfluorononan-1-oic-acid	-, 4149-60-4	17/12/2015	No
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	-	15/06/2015	No
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1	15/06/2015	No
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5	15/06/2015	No
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]	-	15/06/2015	No
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	15/06/2015	No
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	15/06/2015	No
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	17/12/2014	No
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	17/12/2014	No
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	17/12/2014	No
Cadmium fluoride	7790-79-6	17/12/2014	No
Cadmium sulphate	10124-36-4, 31119-53-6	17/12/2014	No
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)	-	17/12/2014	No
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	16/06/2014	No
Cadmium chloride	10108-64-2	16/06/2014	No
Sodium perborate, perboric acid, sodium salt	-	16/06/2014	No
Perboric acid, sodium salt	11138-47-9	16/06/2014	No
Sodium perborate	15120-21-5	16/06/2014	No
Sodium peroxometaborate	7632-04-4	16/06/2014	No
Cadmium sulphide	1306-23-6	16/12/2013	No
Dihexyl phthalate	84-75-3	16/12/2013	No

Name	CAS no.	Date of inclusion	Present Yes/No
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	16/12/2013	No
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	16/12/2013	No
Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	16/12/2013	No
Lead di(acetate)	301-04-2	16/12/2013	No
Trixylyl phosphate	25155-23-1	16/12/2013	No
4-Nonylphenol, branched and linear, ethoxylated	-	20/06/2013	No
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	20/06/2013	No
Cadmium	7440-43-9	20/06/2013	No
Cadmium oxide	1306-19-0	20/06/2013	No
Dipentyl phthalate (DPP)	131-18-0	20/06/2013	No
Pentadecafluorooctanoic acid (PFOA)	335-67-1	20/06/2013	No
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	19/12/2012	No
1,2-diethoxyethane	629-14-1	19/12/2012	No
1-bromopropane (n-propyl bromide)	106-94-5	19/12/2012	No
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	19/12/2012	No
4,4'-methylenedi-o-toluidine	838-88-0	19/12/2012	No
4,4'-oxydianiline and its salts	-	19/12/2012	No
4,4'-oxydianiline	101-80-4	19/12/2012	No
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	19/12/2012	No
4-aminoazobenzene	60-09-3	19/12/2012	No
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	19/12/2012	No
4-Nonylphenol, branched and linear	-	19/12/2012	No
6-methoxy-m-toluidine (p-cresidine)	120-71-8	19/12/2012	No
[Phthalato(2-)]dioxotrilead	69011-06-9	19/12/2012	No
Acetic acid, lead salt, basic	51404-69-4	19/12/2012	No
Biphenyl-4-ylamine	92-67-1	19/12/2012	No
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	19/12/2012	No
Cyclohexane-1,2-dicarboxylic anhydride	-	19/12/2012	No
trans-cyclohexane-1,2-dicarboxylic anhydride	14166-21-3	19/12/2012	No
cis-cyclohexane-1,2-dicarboxylic anhydride	13149-00-3	19/12/2012	No
Cyclohexane-1,2-dicarboxylic anhydride	85-42-7	19/12/2012	No
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	19/12/2012	Yes*
Dibutyltin dichloride (DBTC)	683-18-1	19/12/2012	No
Diethyl sulphate	64-67-5	19/12/2012	No
Diisopentyl phthalate	605-50-5	19/12/2012	No
Dimethyl sulphate	77-78-1	19/12/2012	No
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	19/12/2012	No
Dioxobis(stearato)trilead	12578-12-0	19/12/2012	No
Fatty acids, C16-18, lead salts	91031-62-8	19/12/2012	No
Furan	110-00-9	19/12/2012	No
Henicosfluoroundecanoic acid	2058-94-8	19/12/2012	No
Heptacosfluorotetradecanoic acid	376-06-7	19/12/2012	No
Hexahydromethylphthalic anhydride	-	19/12/2012	No
Hexahydro-4-methylphthalic anhydride	19438-60-9	19/12/2012	No
Hexahydro-3-methylphthalic anhydride	57110-29-9	19/12/2012	No
Hexahydro-1-methylphthalic anhydride	48122-14-1	19/12/2012	No
Hexahydromethylphthalic anhydride	25550-51-0	19/12/2012	No
Lead bis(tetrafluoroborate)	13814-96-5	19/12/2012	No
Lead cyanamidate	20837-86-9	19/12/2012	No

Name	CAS no.	Date of inclusion	Present Yes/No
Lead dinitrate	10099-74-8	19/12/2012	No
Lead monoxide (lead oxide)	1317-36-8	19/12/2012	No
Lead oxide sulfate	12036-76-9	19/12/2012	No
Lead titanium trioxide	12060-00-3	19/12/2012	No
Lead titanium zirconium oxide	12626-81-2	19/12/2012	No
Methoxyacetic acid	625-45-6	19/12/2012	No
Methyloxirane (Propylene oxide)	75-56-9	19/12/2012	No
N,N-dimethylformamide	68-12-2	19/12/2012	No
N-methylacetamide	79-16-3	19/12/2012	No
N-pentyl-isopentylphthalate	776297-69-9	19/12/2012	No
o-aminoazotoluene	97-56-3	19/12/2012	No
o-toluidine	95-53-4	19/12/2012	No
Orange lead (lead tetroxide)	1314-41-6	19/12/2012	No
Pentacosfluorotridecanoic acid	72629-94-8	19/12/2012	No
Pentalead tetraoxide sulphate	12065-90-6	19/12/2012	No
Pyrochlore, antimony lead yellow	8012-00-8	19/12/2012	No
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	68784-75-8	19/12/2012	No
Silicic acid, lead salt	11120-22-2	19/12/2012	No
Sulfurous acid, lead salt, dibasic	62229-08-7	19/12/2012	No
Tetraethyllead	78-00-2	19/12/2012	No
Tetralead trioxide sulphate	12202-17-4	19/12/2012	No
Tricosfluorododecanoic acid	307-55-1	19/12/2012	No
Trilead bis(carbonate) dihydroxide	1319-46-6	19/12/2012	No
Trilead dioxide phosphonate	12141-20-7	19/12/2012	No
1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	112-49-2	18/06/2012	No
1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	110-71-4	18/06/2012	No
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	18/06/2012	No
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	18/06/2012	No
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	18/06/2012	No
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	18/06/2012	No
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	18/06/2012	No
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	18/06/2012	No
Diboron trioxide	1303-86-2	18/06/2012	No
Formamide	75-12-7	18/06/2012	No
Lead(II) bis(methanesulfonate)	17570-76-2	18/06/2012	No
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	18/06/2012	No
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	18/06/2012	No
1,2-dichloroethane	107-06-2	19/12/2011	No
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	19/12/2011	No
2-Methoxyaniline, o-Anisidine	90-04-0	19/12/2011	No
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	19/12/2011	No
Aluminosilicate Refractory Ceramic Fibres	-	19/12/2011	No
Arsenic acid	7778-39-4	19/12/2011	No
Bis(2-methoxyethyl) ether	111-96-6	19/12/2011	No
Bis(2-methoxyethyl) phthalate	117-82-8	19/12/2011	No
Calcium arsenate	7778-44-1	19/12/2011	No
Dichromium tris(chromate)	24613-89-6	19/12/2011	No
Formaldehyde, oligomeric reaction products with aniline	25214-70-4	19/12/2011	No
Lead diazide, Lead azide	13424-46-9	19/12/2011	No
Lead dipicrate	6477-64-1	19/12/2011	No

Name	CAS no.	Date of inclusion	Present Yes/No
Lead styphnate	15245-44-0	19/12/2011	No
N,N-dimethylacetamide	127-19-5	19/12/2011	No
Pentazinc chromate octahydroxide	49663-84-5	19/12/2011	No
Phenolphthalein	77-09-8	19/12/2011	No
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	19/12/2011	No
Trilead diarsenate	3687-31-8	19/12/2011	No
Zirconia Aluminosilicate Refractory Ceramic Fibres	-	19/12/2011	No
1,2,3-trichloropropane	96-18-4	20/06/2011	No
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	20/06/2011	No
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	20/06/2011	No
1-Methyl-2-pyrrolidone (NMP)	872-50-4	20/06/2011	No
2-ethoxyethyl acetate	111-15-9	20/06/2011	No
Hydrazine	302-01-2, 7803-57-8	20/06/2011	No
Strontium chromate	7789-06-2	20/06/2011	No
2-ethoxyethanol	110-80-5	15/12/2010	No
2-methoxyethanol	109-86-4	15/12/2010	No
Acids generated from chromium trioxide and their oligomers	-	15/12/2010	No
Dichromic acid	7738-94-5	15/12/2010	No
Oligomers of chromic acid and dichromic acid	-	15/12/2010	No
Chromic acid	13530-68-2	15/12/2010	No
Chromium trioxide	1333-82-0	15/12/2010	No
Cobalt(II) carbonate	513-79-1	15/12/2010	No
Cobalt(II) diacetate	71-48-7	15/12/2010	No
Cobalt(II) dinitrate	10141-05-6	15/12/2010	No
Cobalt(II) sulphate	10124-43-3	15/12/2010	No
Ammonium dichromate	7789-09-5	18/06/2010	No
Boric acid	-	18/06/2010	No
Boric acid, crude natural	11113-50-1	18/06/2010	No
Boric acid	10043-35-3	18/06/2010	No
Disodium tetraborate, anhydrous	12179-04-3, 1303-96-4, 13	18/06/2010	No
Potassium chromate	7789-00-6	18/06/2010	No
Potassium dichromate	7778-50-9	18/06/2010	No
Sodium chromate	7775-11-3	18/06/2010	No
Tetraboron disodium heptaoxide, hydrate	12267-73-1	18/06/2010	No
Trichloroethylene	79-01-6	18/06/2010	No
Acrylamide	79-06-1	30/03/2010	No
2,4-dinitrotoluene	121-14-2	13/01/2010	No
Anthracene oil	90640-80-5	13/01/2010	No
Anthracene oil, anthracene paste	90640-81-6	13/01/2010	No
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	13/01/2010	No
Anthracene oil, anthracene paste, distn. lights	91995-17-4	13/01/2010	No
Anthracene oil, anthracene-low	90640-82-7	13/01/2010	No
Diisobutyl phthalate	84-69-5	13/01/2010	No
Lead chromate	7758-97-6	13/01/2010	No
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	13/01/2010	No
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	13/01/2010	No
Pitch, coal tar, high-temp.	65996-93-2	13/01/2010	No
Tris(2-chloroethyl) phosphate	115-96-8	13/01/2010	No

Name	CAS no.	Date of inclusion	Present Yes/No
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	28/10/2008	No
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	28/10/2008	No
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	28/10/2008	No
Anthracene	120-12-7	28/10/2008	No
Benzyl butyl phthalate (BBP)	85-68-7	28/10/2008	No
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	28/10/2008	No
Bis(tributyltin) oxide (TBTO)	56-35-9	28/10/2008	No
Cobalt dichloride	7646-79-9	28/10/2008	No
Diarsenic pentaoxide	1303-28-2	28/10/2008	No
Diarsenic trioxide	1327-53-3	28/10/2008	No
Dibutyl phthalate (DBP)	84-74-2	28/10/2008	No
Hexabromocyclododecane (HBCDD)	-	28/10/2008	No
Hexabromocyclododecane	25637-99-4	28/10/2008	No
1,2,5,6,9,10-hexabromocyclododecane	3194-55-6	28/10/2008	No
alpha-hexabromocyclododecane	134237-50-6	28/10/2008	No
beta-hexabromocyclododecane	134237-51-7	28/10/2008	No
gamma-hexabromocyclododecane	134237-52-8	28/10/2008	No
Lead hydrogen arsenate	7784-40-9	28/10/2008	No
Sodium dichromate	10588-01-9, 7789-12-0	28/10/2008	No
Triethyl arsenate	15606-95-8	28/10/2008	No

Name and Function of the Contact person responsible for REACH issues:

John M. Bonforte Sr. - General Manager & Technical Director

Date: 01/23/2018

Signature: *John M. Bonforte Sr.*