



REACH SVHC Declaration

Registration, Evaluation, Authorization and restriction of Chemicals
174 Substances of Very High Concern (SVHC) on ECHA Candidate List

July 18, 2017

Dear Valued Customers,

Kester is a Downstream User as defined by the requirements of the European Union (EU) Regulation - Registration, Evaluation, Authorisation and restriction of Chemicals (REACH). Kester solder products are defined in the REACH regulations as mixtures consisting of two or more individual substances. Mixtures do not require registration under Article 7.1 of REACH. The individual raw material substances that are mixed together to make up the solder product would be registered separately. Therefore Kester will ensure that all individual raw material substances that are purchased from upstream suppliers will follow through with final REACH registration.

All Kester products are mixtures. Mixtures are in SVHC compliance when SVHCs above threshold values are listed on the Kester Safety Data Sheets (SDSs). Kester lists SVHCs on the SDS in accordance to REACH requirements. All Kester products are in compliance with SVHC REACH regulations. Kester SDS will report the presence of any Substance of Very High Concern (SVHC) on the attached European Chemicals Agency (ECHA) Candidate List.

Kester issues SDSs for our solder products that conform to the United Nations Globally Harmonized System (GHS) and follow the criteria for classification of mixtures in accordance with Regulation (EC) No. 1272/2008 Classification, Labeling and Packaging (CLP).

For additional information on this subject contact Kester Customer Service at CustomerService@Kester.com.

Sincerely,

Stephen Santangelo

Stephen Santangelo,
Global Operations Director

Candidate List of Substances of Very High Concern for Authorisation					
Name	Description	EC no.	CAS no.	Intrinsic property(ies) referred to in Article 57	Date of inclusion
Perfluorohexane-1-sulphonic acid and its salts	PFHxS	-	-	vPvB (Article 57e)	07/07/2017
4,4'-isopropylidenediphenol	Bisphenol A; BPA	201-245-8	80-05-7	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	12/01/2017
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	-	-	Endocrine disrupting properties (Article 57(f) - environment)	12/01/2017
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts		-	-	Toxic for reproduction (Article 57c)#PBT (Article 57 d)	12/01/2017
Nonadecafluorodecanoic acid		206-400-3	335-76-2	Toxic for reproduction (Article 57c)#PBT (Article 57 d)	12/01/2017
Decanoic acid, nonadecafluoro-, sodium salt		-	3830-45-3	Toxic for reproduction (Article 57c)#PBT (Article 57 d)	12/01/2017
Ammonium nonadecafluorodecanoate		221-470-5	3108-42-7	Toxic for reproduction (Article 57c)#PBT (Article 57 d)	12/01/2017
p-(1,1-dimethylpropyl)phenol		201-280-9	80-46-6	Endocrine disrupting properties (Article 57(f) - environment)	12/01/2017
Benzo[def]chrysene (Benzo[a]pyrene)		200-028-5	50-32-8	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#PBT (Article 57 d)#vPvB (Article 57 e)	20/06/2016
1,3-propanesultone		214-317-9	1120-71-4	Carcinogenic (Article 57a)	17/12/2015
2,4-di-tert-butyl-6-(4-chlorobenzotriazol-2-yl)phenol (UV-327)		223-383-8	3864-99-1	vPvB (Article 57 e)	17/12/2015
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)		253-037-1	36437-37-3	vPvB (Article 57 e)	17/12/2015
Nitrobenzene		202-716-0	98-95-3	Toxic for reproduction (Article 57c)	17/12/2015
Perfluorononane-1-ol and its sodium and ammonium salts		-	-	Toxic for reproduction (Article 57c)#PBT (Article 57 d)	17/12/2015
Ammonium salts of perfluorononane-1-ol		-	4149-60-4	Toxic for reproduction (Article 57c)#PBT (Article 57 d)	17/12/2015
Perfluorononane-1-ol		206-801-3	375-95-1	Toxic for reproduction (Article 57c)#PBT (Article 57 d)	17/12/2015
Sodium salts of perfluorononane-1-ol		-	21049-39-8	Toxic for reproduction (Article 57c)#PBT (Article 57 d)	17/12/2015
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	-	-	Toxic for reproduction (Article 57c)	15/06/2015
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters		272-013-1	68648-93-1	Toxic for reproduction (Article 57c)	15/06/2015
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters		271-094-0	68515-51-5	Toxic for reproduction (Article 57c)	15/06/2015
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	-	-	vPvB (Article 57 e)	15/06/2015
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	-	vPvB (Article 57 e)	15/06/2015
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	-	vPvB (Article 57 e)	15/06/2015
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)		247-384-8	25973-55-1	PBT (Article 57 d)#vPvB (Article 57 e)	17/12/2014
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)		223-346-6	3846-71-7	PBT (Article 57 d)#vPvB (Article 57 e)	17/12/2014
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		239-622-4	15571-58-1	Toxic for reproduction (Article 57c)	17/12/2014
Cadmium fluoride		232-222-0	7790-79-6	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	17/12/2014
Cadmium sulphate		233-331-6	10124-36-4, 31119-53-6	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	17/12/2014
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-ethylhexyl)oxy]-2-oxoethylthio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)		-	-	Toxic for reproduction (Article 57c)	17/12/2014
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		271-093-5	68515-50-4	Toxic for reproduction (Article 57c)	16/06/2014
Cadmium chloride		233-296-7	10108-64-2	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	16/06/2014
Sodium perborate, perboric acid, sodium salt		-	-	Toxic for reproduction (Article 57c)	16/06/2014
Perboric acid, sodium salt		234-390-0	11138-47-9	Toxic for reproduction (Article 57c)	16/06/2014
Sodium perborate		239-172-9	15120-21-5	Toxic for reproduction (Article 57c)	16/06/2014
Sodium peroxometaborate		231-556-4	7632-04-4	Toxic for reproduction (Article 57c)	16/06/2014
Cadmium sulphide		215-147-8	1306-23-6	Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	16/12/2013
Dihexyl phthalate		201-559-5	84-75-3	Toxic for reproduction (Article 57c)	16/12/2013
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	Carcinogenic (Article 57a)	16/12/2013
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)		217-710-3	1937-37-7	Carcinogenic (Article 57a)	16/12/2013
Imidazolidine-2-thione (2-imidazoline-2-thiol)		202-506-9	96-45-7	Toxic for reproduction (Article 57c)	16/12/2013
Lead diacetate		206-104-4	301-04-2	Toxic for reproduction (Article 57c)	16/12/2013
Triethyl phosphite		246-677-8	25155-23-1	Toxic for reproduction (Article 57c)	16/12/2013
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	-	-	Endocrine disrupting properties (Article 57(f) - environment)	20/06/2013
Ammonium pentadecafluorooctanoate (APFO)		223-320-4	3825-26-1	PBT (Article 57 d)#Toxic for reproduction (Article 57c)	20/06/2013
Cadmium		231-152-8	7440-43-9	Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	20/06/2013
Cadmium oxide		215-146-2	1306-19-0	Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	20/06/2013
Dipentyl phthalate (DPP)		205-017-9	131-18-0	Toxic for reproduction (Article 57c)	20/06/2013
Pentadecafluorooctanoic acid (PFOA)		206-397-9	335-67-1	PBT (Article 57 d)#Toxic for reproduction (Article 57c)	20/06/2013
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear		284-032-2	84777-06-0	Toxic for reproduction (Article 57c)	19/12/2012
1,2-dithioxyethane		211-076-1	629-14-1	Toxic for reproduction (Article 57c)	19/12/2012
1-bromopropane (n-propyl bromide)		203-445-0	106-94-5	Toxic for reproduction (Article 57c)	19/12/2012
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine		421-150-7	143860-04-2	Toxic for reproduction (Article 57c)	19/12/2012
4,4'-methylenedi-o-toluidine		212-658-8	838-88-0	Carcinogenic (Article 57a)	19/12/2012
4,4'-oxydianiline and its salts		-	-	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19/12/2012
4,4'-oxydianiline		202-977-0	101-80-4	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19/12/2012
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	covering well-defined substances and UVCB substances, polymers and homologues	-	-	Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
4-aminoazobenzene		200-453-6	60-09-3	Carcinogenic (Article 57a)	19/12/2012
4-methyl-m-phenylenediamine (toluene-2,4-diamine)		202-453-1	95-80-7	Carcinogenic (Article 57a)	19/12/2012
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	-	-	Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
6-methoxy-m-toluidine (p-cresidine)		204-419-1	120-71-8	Carcinogenic (Article 57a)	19/12/2012
(Phthalato(2,1-dioxo)lead		273-688-5	69011-06-9	Toxic for reproduction (Article 57c)	19/12/2012
Acetic acid, lead salt, basic		257-175-3	51404-69-4	Toxic for reproduction (Article 57c)	19/12/2012
Biphenyl-4-ylamine		202-177-1	92-67-1	Carcinogenic (Article 57a)	19/12/2012
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)		214-604-9	1163-19-5	PBT (Article 57 d)#vPvB (Article 57 e)	19/12/2012
Cyclohexane-1,2-dicarboxylic anhydride	all possible combinations of the cis- and trans-isomers	-	-	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012
trans-cyclohexane-1,2-dicarboxylic anhydride		238-009-9	14166-21-3	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012
cis-cyclohexane-1,2-dicarboxylic anhydride		236-086-3	13149-00-3	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012
Cyclohexane-1,2-dicarboxylic anhydride		201-604-9	85-42-7	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)		204-650-8	123-77-3	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012
Dibutyltin dichloride (DBTC)		211-670-0	683-18-1	Toxic for reproduction (Article 57c)	19/12/2012
Diethyl sulphate		200-589-6	64-67-5	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19/12/2012
Diisopentyl phthalate		210-088-4	605-50-5	Toxic for reproduction (Article 57c)	19/12/2012
Dimethyl sulphate		201-058-1	77-78-1	Carcinogenic (Article 57a)	19/12/2012
Dinoseb (6-sec-butyl-2,4-dinitrophenol)		201-861-7	86-85-7	Toxic for reproduction (Article 57c)	19/12/2012
Dioxobis(stearato)lead		235-702-9	12578-12-0	Toxic for reproduction (Article 57c)	19/12/2012
Fatty acids, C16-18, lead salts		232-966-7	91031-62-8	Toxic for reproduction (Article 57c)	19/12/2012
Furan		203-727-3	110-00-9	Carcinogenic (Article 57a)	19/12/2012
Henicosafuoroundecanoic acid		218-165-4	2058-94-8	vPvB (Article 57 e)	19/12/2012
Heptacosafuorotetradecanoic acid		206-803-4	376-06-7	vPvB (Article 57 e)	19/12/2012
Hexahydromethylphthalic anhydride	including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012

Name	Description	EC no.	CAS no.	Intrinsic property(ies) referred to in Article 57	Date of inclusion
Hexahydro-4-methylphthalic anhydride		243-072-0	19438-60-9	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012
Hexahydro-3-methylphthalic anhydride		260-566-1	57110-29-9	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012
Hexahydro-1-methylphthalic anhydride		256-356-4	48122-14-1	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012
Hexahydro-2-methylphthalic anhydride		247-094-1	25550-51-0	Respiratory sensitising properties (Article 57(f) - human health)	19/12/2012
Lead bis(tetrafluoroborate)		237-486-0	13814-96-5	Toxic for reproduction (Article 57c)	19/12/2012
Lead cyanamidate		244-073-9	20837-86-9	Toxic for reproduction (Article 57c)	19/12/2012
Lead dimethylate		233-245-9	10099-74-8	Toxic for reproduction (Article 57c)	19/12/2012
Lead monoxide (lead oxide)		215-267-0	1317-35-9	Toxic for reproduction (Article 57c)	19/12/2012
Lead oxide sulfate		234-853-7	12036-76-9	Toxic for reproduction (Article 57c)	19/12/2012
Lead titanium trioxide		235-038-9	12060-00-3	Toxic for reproduction (Article 57c)	19/12/2012
Lead titanium zirconium oxide		235-727-4	12626-81-2	Toxic for reproduction (Article 57c)	19/12/2012
Methoxyacetic acid		210-894-6	625-45-6	Toxic for reproduction (Article 57c)	19/12/2012
Methyloxirane (Propylene oxide)		200-879-2	75-56-9	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19/12/2012
N,N-dimethylformamide		200-679-5	68-12-2	Toxic for reproduction (Article 57c)	19/12/2012
N-methylacetamide		201-182-6	79-16-3	Toxic for reproduction (Article 57c)	19/12/2012
N-pentyl-isopentylphthalate		-	776297-69-9	Toxic for reproduction (Article 57c)	19/12/2012
o-aminoazotoluene		202-591-2	97-56-3	Carcinogenic (Article 57a)	19/12/2012
o-toluidine		202-429-0	95-53-4	Carcinogenic (Article 57a)	19/12/2012
Orange lead (lead tetroxide)		215-235-6	1314-41-6	Toxic for reproduction (Article 57c)	19/12/2012
Pentacosylluorotridecanoic acid		276-745-2	72629-94-8	vPvB (Article 57 e)	19/12/2012
Pentalead tetraoxide sulphate		235-067-7	12065-90-6	Toxic for reproduction (Article 57c)	19/12/2012
Pyrochlore, antimony lead yellow		232-382-1	8012-00-8	Toxic for reproduction (Article 57c)	19/12/2012
Silicic acid (H ₂ SiO ₅), 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 062-001-00-6 in Regulation (EC) No 1272/2008	272-271-5	68784-75-8	Toxic for reproduction (Article 57c)	19/12/2012
Silicic acid, lead salt		234-363-3	11120-22-2	Toxic for reproduction (Article 57c)	19/12/2012
Sulfurous acid, lead salt, dibasic		263-467-1	62229-08-7	Toxic for reproduction (Article 57c)	19/12/2012
Tetraethyllead		201-075-4	78-00-2	Toxic for reproduction (Article 57c)	19/12/2012
Tetralead trioxide sulphate		235-380-9	12202-17-4	Toxic for reproduction (Article 57c)	19/12/2012
Tricosylluorotridecanoic acid		206-203-2	307-55-1	vPvB (Article 57 e)	19/12/2012
Trilead bis(carbonate) dihydroxide		215-290-6	1319-46-6	Toxic for reproduction (Article 57c)	19/12/2012
Trilead dioxide phosphonate		235-252-2	12141-20-7	Toxic for reproduction (Article 57c)	19/12/2012
1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)		203-977-3	112-49-2	Toxic for reproduction (Article 57c)	18/06/2012
1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)		203-794-9	110-71-4	Toxic for reproduction (Article 57c)	18/06/2012
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)		219-514-3	2451-62-9	Mutagenic (Article 57b)	18/06/2012
1,3,5-tris(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)		423-400-0	59653-74-6	Mutagenic (Article 57b)	18/06/2012
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)	209-218-2	561-41-1	Carcinogenic (Article 57a)	18/06/2012
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)		202-027-5	90-94-8	Carcinogenic (Article 57a)	18/06/2012
[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)	208-953-6	548-62-9	Carcinogenic (Article 57a)	18/06/2012
[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)	219-943-6	2580-56-5	Carcinogenic (Article 57a)	18/06/2012
Diboron trioxide		215-125-8	1303-86-2	Toxic for reproduction (Article 57c)	18/06/2012
Formamide		200-842-0	75-12-7	Toxic for reproduction (Article 57c)	18/06/2012
Lead(II) bis(methanesulfonate)		401-750-5	17570-76-2	Toxic for reproduction (Article 57c)	18/06/2012
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)		202-959-2	101-61-1	Carcinogenic (Article 57a)	18/06/2012
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)	229-851-8	6786-83-0	Carcinogenic (Article 57a)	18/06/2012
1,2-dichloroethane		203-458-1	107-06-2	Carcinogenic (Article 57a)	19/12/2011
2,2'-dichloro-4,4'-methylenedianiline		202-918-9	101-14-4	Carcinogenic (Article 57a)	19/12/2011
2-Methoxyaniline, o-Anisidine		201-963-1	90-04-0	Carcinogenic (Article 57a)	19/12/2011
4-(1,1,3,3-tetramethylbutyl)phenol		205-426-2	140-66-9	Endocrine disrupting properties (Article 57(f) - environment)	19/12/2011
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 than two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	Carcinogenic (Article 57a)	19/12/2011
Arsenic acid		231-901-9	7778-39-4	Carcinogenic (Article 57a)	19/12/2011
Bis(2-methoxyethyl) ether		203-924-4	111-96-6	Toxic for reproduction (Article 57c)	19/12/2011
Bis(2-methoxyethyl) phthalate		204-212-6	117-82-8	Toxic for reproduction (Article 57c)	19/12/2011
Calcium arsenate		231-904-5	7778-44-1	Carcinogenic (Article 57a)	19/12/2011
Dichromium tris(chromate)		246-356-2	24613-89-6	Carcinogenic (Article 57a)	19/12/2011
Formaldehyde, oligomeric reaction products with aniline		500-036-1	25214-70-4	Carcinogenic (Article 57a)	19/12/2011
Lead diazide, Lead azide		236-542-1	13424-46-9	Toxic for reproduction (Article 57c)	19/12/2011
Lead dipicrate		229-335-2	6477-64-1	Toxic for reproduction (Article 57c)	19/12/2011
Lead sulphamate		239-290-0	15245-44-0	Toxic for reproduction (Article 57c)	19/12/2011
N,N-dimethylacetamide		204-826-4	127-19-5	Toxic for reproduction (Article 57c)	19/12/2011
Pentazinc chromate octahydroxide		256-418-0	49663-84-5	Carcinogenic (Article 57a)	19/12/2011
Phenolphthalein		201-004-7	77-09-8	Carcinogenic (Article 57a)	19/12/2011
Potassium hydroxyoctaoxidizincatedichromate		234-329-8	11103-86-9	Carcinogenic (Article 57a)	19/12/2011
Trilead diarsenate		222-979-5	3687-31-8	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	19/12/2011
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 than two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	Carcinogenic (Article 57a)	19/12/2011
1,2,3-trichloropropane		202-486-1	96-18-4	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	20/06/2011
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich		276-158-1	71888-89-6	Toxic for reproduction (Article 57c)	20/06/2011
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters		271-084-6	68515-42-4	Toxic for reproduction (Article 57c)	20/06/2011
1-Methyl-2-pyrrolidone (NMP)		212-828-1	872-50-4	Toxic for reproduction (Article 57c)	20/06/2011
2-ethoxyethyl acetate		203-839-2	111-15-9	Toxic for reproduction (Article 57c)	20/06/2011
Hydrazine		206-114-9	302-01-2, 7803-57-8	Carcinogenic (Article 57a)	20/06/2011
Strontium chromate		232-142-6	7789-06-2	Carcinogenic (Article 57a)	20/06/2011
2-ethoxyethanol		203-804-1	110-80-5	Toxic for reproduction (Article 57c)	15/12/2010
2-methoxyethanol		203-713-7	109-86-4	Toxic for reproduction (Article 57c)	15/12/2010
Acids generated from chromium trioxide and their oligomers		-	-	Carcinogenic (Article 57a)	15/12/2010
Oligomers of chromic acid and dichromic acid		-	-	Carcinogenic (Article 57a)	15/12/2010
Chromic acid		231-801-5	13530-68-2	Carcinogenic (Article 57a)	15/12/2010
Dichromic acid		236-881-5	7738-94-5	Carcinogenic (Article 57a)	15/12/2010
Chromium trioxide		215-607-8	1333-82-0	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	15/12/2010
Cobalt(II) carbonate		208-169-4	513-79-1	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15/12/2010
Cobalt(II) diacetate		200-755-5	71-48-7	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15/12/2010
Cobalt(II) dinitrate		233-402-1	10141-05-6	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15/12/2010
Cobalt(II) sulphate		233-334-2	10124-43-3	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15/12/2010
Ammonium dichromate		232-143-1	7789-09-5	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	18/06/2010
Boric acid	EC No. 233-139-2 and EC No. 234-343-4	-	-	Toxic for reproduction (Article 57c)	18/06/2010
Boric acid, crude natural		234-343-4	11113-50-1	Toxic for reproduction (Article 57c)	18/06/2010

Name	Description	EC no.	CAS no.	Intrinsic property(ies) referred to in Article 57	Date of inclusion
Boric acid		233-139-2	10043-35-3	Toxic for reproduction (Article 57c)	18/06/2010
Disodium tetraborate, anhydrous		215-540-4	12179-04-3, 1303-96-4, 1330-43-4	Toxic for reproduction (Article 57c)	18/06/2010
Potassium chromate		232-140-5	7789-00-6	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	18/06/2010
Potassium dichromate		231-906-6	7778-50-9	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	18/06/2010
Sodium chromate		231-889-5	7775-11-3	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	18/06/2010
Tetraboron disodium heptaoxide, hydrate		235-541-3	12267-73-1	Toxic for reproduction (Article 57c)	18/06/2010
Trichloroethylene		201-167-4	79-01-6	Carcinogenic (Article 57a)	18/06/2010
Acrylamide		201-173-7	79-06-1	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	30/03/2010
2,4-dinitrotoluene		204-450-0	121-14-2	Carcinogenic (Article 57a)	13/01/2010
Anthracene oil	-	292-602-7	90640-80-5	Carcinogenic (Article 57a)#PBT (Article 57 d)#vPvB (Article 57 e)	13/01/2010
Anthracene oil, anthracene paste	-	292-603-2	90640-81-6	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57 d)#vPvB (Article 57 e)	13/01/2010
Anthracene oil, anthracene paste, anthracene fraction	-	295-275-9	91995-15-2	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57 d)#vPvB (Article 57 e)	13/01/2010
Anthracene oil, anthracene paste, distn. lights	-	295-278-5	91995-17-4	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57 d)#vPvB (Article 57 e)	13/01/2010
Anthracene oil, anthracene-low	-	292-604-8	90640-82-7	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57 d)#vPvB (Article 57 e)	13/01/2010
Diisobutyl phthalate		201-553-2	84-69-5	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	13/01/2010
Lead chromate		231-846-0	7758-97-6	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	13/01/2010
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	-	235-759-9	12656-85-8	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	13/01/2010
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	-	215-693-7	1344-37-2	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	13/01/2010
Pitch, coal tar, high-temp.	-	266-028-2	65996-93-2	Carcinogenic (Article 57a)#PBT (Article 57 d)#vPvB (Article 57 e)	13/01/2010
Tris(2-chloroethyl) phosphate		204-118-5	115-96-8	Toxic for reproduction (Article 57c)	13/01/2010
4,4'-Diaminodiphenylmethane (MDA)		202-974-4	101-77-9	Carcinogenic (Article 57a)	28/10/2008
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)		201-329-4	81-15-2	vPvB (Article 57 e)	28/10/2008
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)		287-476-5	85535-84-8	PBT (Article 57 d)#vPvB (Article 57 e)	28/10/2008
Anthracene		204-371-1	120-12-7	PBT (Article 57 d)	28/10/2008
Benzyl butyl phthalate (BBP)		201-622-7	85-68-7	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	28/10/2008
Bis (2-ethylhexyl)phthalate (DEHP)		204-211-0	117-81-7	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	28/10/2008
Bis(tributyltin) oxide (TBTO)		200-268-0	56-35-9	PBT (Article 57 d)	28/10/2008
Cobalt dichloride		231-589-4	7646-79-9	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	28/10/2008
Diarsenic pentaoxide		215-116-9	1303-28-2	Carcinogenic (Article 57a)	28/10/2008
Diarsenic trioxide		215-481-4	1327-53-3	Carcinogenic (Article 57a)	28/10/2008
Dibutyl phthalate (DBP)		201-557-4	84-74-2	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	28/10/2008
Hexabromocyclododecane (HBCDD)	and all major diastereoisomers identified	-	-	PBT (Article 57 d)	28/10/2008
gamma-hexabromocyclododecane		-	134237-52-8	PBT (Article 57 d)	28/10/2008
beta-hexabromocyclododecane		-	134237-51-7	PBT (Article 57 d)	28/10/2008
1,2,5,6,9,10-hexabromocyclododecane		221-695-9	3194-55-6	PBT (Article 57 d)	28/10/2008
Hexabromocyclododecane		247-148-4	25637-99-4	PBT (Article 57 d)	28/10/2008
alpha-hexabromocyclododecane		-	134237-50-6	PBT (Article 57 d)	28/10/2008
Lead hydrogen arsenate		232-064-2	7784-40-9	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	28/10/2008
Sodium dichromate		234-190-3	10588-01-9, 7789-12-0	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	28/10/2008
Triethyl arsenate		427-700-2	15606-95-8	Carcinogenic (Article 57a)	28/10/2008