



INFORMATION OF SARBAK METAL TIC VE SAN A.S
REFERRING APPLICATION OF REACH 1907/2006
-JUNE 2018 –

Reach became valid by 1 June 2007. SVHC candidate list which is planned to be in Annex XIV in reach was published on 28 October 2008. This list is updated by the European Chemicals Agency at least every six months. You can find the current SVHC list in the appendix.

Our company control all the SVHC Candidate List after the update. We declare that only the lead (Pb) [CAS Number: 7439-92-1, EC Number: 231-100-4] content on the SVHC Candidate List is used more than 0.1% by weight in some alloys within Sarbak Metal products. You can find information on the website of the European Chemicals Agency for safe handling of the substance. At the same time, you can find our products SDS / DS documents under REACH title at <http://www.sarbak.com.tr/en/corporate/Occupational-Health-and-Safety-Management-System>.

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Additional: SVHC Candidate List

no	Substance Name	EC Number	CAS Number	Date of inclusion	Reason for inclusion	Decision number
				Impurities (where relevant for C&L, PBT/vPvB)		
1.	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	209-008-0	552-30-7	27/06/2018	Respiratory sensitising properties (Article 57(f) - human health)	ED/61/2018 EU/2018/594
2.	Benzo[ghi]perylene	205-883-8	191-24-2	27/06/2018	PBT (Article 57d) vPvB (Article 57e)	ED 61/2018
3.	Decamethylcyclopentasiloxane D5	208-764-9	541-02-6	27/06/2018	PBT (Article 57d) vPvB (Article 57e)	ED 61/2018
4.	Dicyclohexyl phthalate DCHP	201-545-9	84-61-7	27/06/2018	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health)	EU/2018/636 ED/61/2018
5.	Disodium octaborate	234-541-0	12008-41-2	27/06/2018	Toxic for reproduction (Article 57c)	ED 61/2018
6.	Dodecamethylcyclohexasiloxane D6	208-762-8	540-97-6	27/06/2018	PBT (Article 57d) vPvB (Article 57e)	ED 61/2018
7.	Ethylenediamine EDA	203-468-6	107-15-3	27/06/2018	Respiratory sensitising properties (Article 57(f) - human health)	ED 61/2018
8.	Lead	231-100-4	7439-92-1	27/06/2018	Toxic for reproduction (Article 57c)	ED 61/2018

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9.	Octamethylcyclotetrasiloxane D4	209-136-7	556-67-2	27/06/2018	PBT (Article 57d) vPvB (Article 57e)	ED 61/2018
10.	Terphenyl, hydrogenated	262-967-7	61788-32-7	27/06/2018	vPvB (Article 57e)	ED 61/2018
11.	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	15/01/2018	vPvB (Article 57e)	ED 01/2018
12.	Benz[a]anthracene	200-280-6	56-55-3, 1718-53-2	15/01/2018	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)	ED 01/2018
13.	Cadmium carbonate	208-168-9	513-78-0	15/01/2018	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	ED 01/2018
14.	Cadmium hydroxide	244-168-5	21041-95-2	15/01/2018	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	ED 01/2018
15.	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	15/01/2018	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after	ED 01/2018



					repeated exposure (Article 57(f) - human health)	
16.	Chrysene	205-923-4	218-01-9, 1719-03-5	15/01/2018	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)	ED 01/2018
17.	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-	15/01/2018	Endocrine disrupting properties (Article 57(f) - environment)	ED 01/2018
18.	Perfluorohexane-1-sulphonic acid and its salts PFHxS	-	-	07/07/2017	vPvB (Article 57e)	ED/30/2017
19.	4,4'-isopropylidenediphenol Bisphenol A; BPA	201-245-8	80-05-7	12/01/2017	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)	ED/30/2017 ED/01/2017 ED 01/2018
20.	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	-	-	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017



	UVCB- and well-defined substances which include any of the individual isomers or a combination thereof					
21.	<u>Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts</u> <u>Decanoic acid, nonadecafluoro-, sodium salt</u> EC no.: - CAS no.:3830-45-3 <u>Nonadecafluorodecanoic acid</u> EC no.: 206-400-3 CAS no.: 335-76-2 <u>Ammonium nonadecafluorodecanoate</u> EC no.: 221-470-5 CAS no.:3108-42-7	-	-	12/01/2017	Toxic for reproduction (Article 57c) PBT (Article 57d)	ED/01/2017
22.	<u>p-(1,1-dimethylpropyl)phenol</u>	201-280-9	80-46-6	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
23.	<u>Benzo[def]chrysene (Benzo[a]pyrene)</u>	200-028-5	50-32-8	20/06/2016	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e)	ED/21/2016
24.	<u>1,3-propanesultone</u>	214-317-9	1120-71-4	17/12/2015	Carcinogenic (Article 57a)	ED/79/2015
25.	<u>2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)</u>	223-383-8	3864-99-1	17/12/2015	vPvB (Article 57e)	ED/79/2015
26.	<u>2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)</u>	253-037-1	36437-37-3	17/12/2015	vPvB (Article 57e)	ED/79/2015
27.	<u>Nitrobenzene</u>	202-716-0	98-95-3	17/12/2015	Toxic for reproduction (Article 57c)	ED/79/2015

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28.	<p><u>Perfluorononan-1-oic-acid and its sodium and ammonium salts</u> <u>Ammonium salts of perfluorononan-1-oic-acid</u> EC no.: - CAS no.: -, 4149-60-4 <u>Perfluorononan-1-oic-acid</u> EC no.: 206-801-3 CAS no.: 375-95-1 <u>Sodium salts of perfluorononan-1-oic-acid</u> EC no.: - CAS no.: -, 21049-39-8</p>	-	-	17/12/2015	Toxic for reproduction (Article 57c) PBT (Article 57d)	ED/79/2015
29.	<p><u>1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters</u> with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5) <u>1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters</u> EC no.: 272-013-1 CAS no.: 68648-93-1 <u>1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters</u> EC no.: 271-094-0 CAS no.: 68515-51-5</p>	-	-	15/06/2015	Toxic for reproduction (Article 57c)	ED_39_2015.pdf
30.	<p><u>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]</u> covering any of the individual stereoisomers of [1] and [2] or any combination thereof <u>5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane</u> EC no.: - CAS no.: - <u>5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane</u> EC no.: - CAS no.: -</p>	-	-	15/06/2015	vPvB (Article 57e)	ED/39/2015



31.	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	17/12/2014	PBT (Article 57d) vPvB (Article 57e)	ED/108/2014
32.	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	17/12/2014	PBT (Article 57d) vPvB (Article 57e)	ED/108/2014
33.	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	17/12/2014	Toxic for reproduction (Article 57c)	ED/108/2014
34.	Cadmium fluoride	232-222-0	7790-79-6	17/12/2014	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	ED/108/2014
35.	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	17/12/2014	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	ED/108/2014
36.	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	-	-	17/12/2014	Toxic for reproduction (Article 57c)	ED/108/2014



	<u>MOTE)</u>					
37.	<u>1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear</u>	271-093-5	68515-50-4	16/06/2014	Toxic for reproduction (Article 57c)	ED/49/2014
38.	<u>Cadmium chloride</u>	233-296-7	10108-64-2	16/06/2014	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	ED/49/2014
39.	<u>Sodium perborate, perboric acid, sodium salt</u> <u>Sodium perborate</u> EC no.: 239-172-9 CAS no.: 15120-21-5 <u>Perboric acid, sodium salt</u> EC no.: 234-390-0 CAS no.: 11138-47-9	-	-	16/06/2014	Toxic for reproduction (Article 57c)	ED/49/2014
40.	<u>Sodium peroxometaborate</u>	231-556-4	7632-04-4	16/06/2014	Toxic for reproduction (Article 57c)	ED/49/2014
41.	<u>Cadmium sulphide</u>	215-147-8	1306-23-6	16/12/2013	Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	ED/121/2013
42.	<u>Dihexyl phthalate</u>	201-559-5	84-75-3	16/12/2013	Toxic for reproduction (Article 57c)	ED/121/2013
43.	<u>Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)</u>	209-358-4	573-58-0	16/12/2013	Carcinogenic (Article 57a)	ED/121/2013
44.	<u>Disodium 4-amino-3-[[4'-[(2,4-</u>	217-710-3	1937-37-7	16/12/2013	Carcinogenic (Article 57a)	ED/121/2013



	diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)					
45.	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	16/12/2013	Toxic for reproduction (Article 57c)	ED/121/2013
46.	Lead di(acetate)	206-104-4	301-04-2	16/12/2013	Toxic for reproduction (Article 57c)	ED/121/2013
47.	Trixylyl phosphate	246-677-8	25155-23-1	16/12/2013	Toxic for reproduction (Article 57c)	ED/121/2013
48.	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	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
49.	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	20/06/2013	Toxic for reproduction (Article 57c) PBT (Article 57d)	ED/69/2013
50.	Cadmium	231-152-8	7440-43-9	20/06/2013	Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	ED/69/2013
51.	Cadmium oxide	215-146-2	1306-19-0	20/06/2013	Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	ED/69/2013



52.	Dipentyl phthalate (DPP)	205-017-9	131-18-0	20/06/2013	Toxic for reproduction (Article 57c)	ED/69/2013
53.	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	20/06/2013	Toxic for reproduction (Article 57c) PBT (Article 57d)	ED/69/2013
54.	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	284-032-2	84777-06-0	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
55.	1,2-diethoxyethane	211-076-1	629-14-1	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
56.	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
57.	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
58.	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	19/12/2012	Carcinogenic (Article 57a)	ED/169/2012
59.	4,4'-oxydianiline and its salts 4,4'-oxydianiline EC no.: 202-977-0 CAS no.: 101-80-4	-	-	19/12/2012	Carcinogenic (Article 57a) Mutagenic (Article 57b)	ED/169/2012
60.	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated covering well-defined substances and UVCB substances, polymers and homologues	-	-	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
61.	4-aminoazobenzene	200-453-6	60-09-3	19/12/2012	Carcinogenic (Article 57a)	ED/169/2012
62.	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	19/12/2012	Carcinogenic (Article 57a)	ED/169/2012
63.	4-Nonylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position	-	-	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012



	4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof					
64.	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	19/12/2012	Carcinogenic (Article 57a)	ED/169/2012
65.	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
66.	Acetic acid, lead salt, basic	257-175-3	51404-69-4	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
67.	Biphenyl-4-ylamine	202-177-1	92-67-1	19/12/2012	Carcinogenic (Article 57a)	ED/169/2012
68.	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	19/12/2012	PBT (Article 57d) vPvB (Article 57e)	ED/169/2012
69.	Cyclohexane-1,2-dicarboxylic anhydride all possible combinations of the cis- and trans-isomers trans-cyclohexane-1,2-dicarboxylic anhydride EC no.: 238-009-9 CAS no.: 14166-21-3 Cyclohexane-1,2-dicarboxylic anhydride EC no.: 201-604-9 CAS no.:85-42-7 cis-cyclohexane-1,2-dicarboxylic anhydride EC no.: 236-086-3 CAS no.: 13149-00-3	-	-	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
70.	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
71.	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
72.	Diethyl sulphate	200-589-6	64-67-5	19/12/2012	Carcinogenic (Article 57a) Mutagenic (Article 57b)	ED/169/2012



73.	Diisopentyl phthalate	210-088-4	605-50-5	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
74.	Dimethyl sulphate	201-058-1	77-78-1	19/12/2012	Carcinogenic (Article 57a)	ED/169/2012
75.	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
76.	Dioxobis(stearato)trilead	235-702-8	12578-12-0	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
77.	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
78.	Furan	203-727-3	110-00-9	19/12/2012	Carcinogenic (Article 57a)	ED/169/2012
79.	Henicosafluoroundecanoic acid	218-165-4	2058-94-8	19/12/2012	vPvB (Article 57e)	ED/169/2012
80.	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	19/12/2012	vPvB (Article 57e)	ED/169/2012
81.	Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers Hexahydro-1-methylphthalic anhydride EC no.: 256-356-4 CAS no.: 48122-14-1 Hexahydromethylphthalic anhydride EC no.: 247-094-1 CAS no.:25550-51-0 Hexahydro-4-methylphthalic anhydride EC no.: 243-072-0 CAS no.:19438-60-9 Hexahydro-3-methylphthalic anhydride EC no.: 260-566-1 CAS no.:57110-29-9	-	-	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
82.	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
83.	Lead cyanamidate	244-073-9	20837-86-9	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012



84.	Lead dinitrate	233-245-9	10099-74-8	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
85.	Lead monoxide (lead oxide)	215-267-0	1317-36-8	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
86.	Lead oxide sulfate	234-853-7	12036-76-9	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
87.	Lead titanium trioxide	235-038-9	12060-00-3	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
88.	Lead titanium zirconium oxide	235-727-4	12626-81-2	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
89.	Methoxyacetic acid	210-894-6	625-45-6	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
90.	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	19/12/2012	Carcinogenic (Article 57a) Mutagenic (Article 57b)	ED/169/2012
91.	N,N-dimethylformamide	200-679-5	68-12-2	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
92.	N-methylacetamide	201-182-6	79-16-3	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
93.	N-pentyl-isopentylphthalate	-	776297-69-9	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
94.	o-aminoazotoluene	202-591-2	97-56-3	19/12/2012	Carcinogenic (Article 57a)	ED/169/2012
95.	o-toluidine	202-429-0	95-53-4	19/12/2012	Carcinogenic (Article 57a)	ED/169/2012
96.	Orange lead (lead tetroxide)	215-235-6	1314-41-6	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
97.	Pentacosfluorotridecanoic acid	276-745-2	72629-94-8	19/12/2012	vPvB (Article 57e)	ED/169/2012
98.	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
99.	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
100.	Silicic acid (H2Si2O5), barium salt (1:1), lead-	272-271-5	68784-75-8	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012



	<u>doped</u> 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 082-001-00-6 in Regulation (EC) No 1272/2008					
101.	<u>Silicic acid, lead salt</u>	234-363-3	11120-22-2	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
102.	<u>Sulfurous acid, lead salt, dibasic</u>	263-467-1	62229-08-7	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
103.	<u>Tetraethyllead</u>	201-075-4	78-00-2	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
104.	<u>Tetralead trioxide sulphate</u>	235-380-9	12202-17-4	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
105.	<u>Tricosafuorododecanoic acid</u>	206-203-2	307-55-1	19/12/2012	vPvB (Article 57e)	ED/169/2012
106.	<u>Trilead bis(carbonate) dihydroxide</u>	215-290-6	1319-46-6	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
107.	<u>Trilead dioxide phosphonate</u>	235-252-2	12141-20-7	19/12/2012	Toxic for reproduction (Article 57c)	ED/169/2012
108.	<u>1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)</u>	203-977-3	112-49-2	18/06/2012	Toxic for reproduction (Article 57c)	ED/87/2012
109.	<u>1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)</u>	203-794-9	110-71-4	18/06/2012	Toxic for reproduction (Article 57c)	ED/87/2012
110.	<u>1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)</u>	219-514-3	2451-62-9	18/06/2012	Mutagenic (Article 57b)	ED/87/2012
111.	<u>1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-</u>	423-400-0	59653-74-6	18/06/2012	Mutagenic (Article 57b)	ED/87/2012



	<u>triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)</u> -					
112.	<u>4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol</u> with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	209-218-2	561-41-1	18/06/2012	Carcinogenic (Article 57a)	ED/87/2012
113.	<u>4,4'-bis(dimethylamino)benzophenone (Michler's ketone)</u>	202-027-5	90-94-8	18/06/2012	Carcinogenic (Article 57a)	ED/87/2012
114.	<u>[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)</u> with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	208-953-6	548-62-9	18/06/2012	Carcinogenic (Article 57a)	ED/87/2012
115.	<u>[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)</u> with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	219-943-6	2580-56-5	18/06/2012	Carcinogenic (Article 57a)	ED/87/2012
116.	<u>Diboron trioxide</u>	215-125-8	1303-86-2	18/06/2012	Toxic for reproduction (Article 57c)	ED/87/2012
117.	<u>Formamide</u>	200-842-0	75-12-7	18/06/2012	Toxic for reproduction (Article 57c)	ED/87/2012
118.	<u>Lead(II) bis(methanesulfonate)</u>	401-750-5	17570-76-2	18/06/2012	Toxic for reproduction (Article 57c)	ED/87/2012



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119.	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	18/06/2012	Carcinogenic (Article 57a)	ED/87/2012
120.	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	18/06/2012	Carcinogenic (Article 57a)	ED/87/2012
121.	1,2-dichloroethane	203-458-1	107-06-2	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
122.	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
123.	2-Methoxyaniline, o-Anisidine	201-963-1	90-04-0	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
124.	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	19/12/2011	Endocrine disrupting properties (Article 57(f) - environment)	ED/77/2011
125.	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 two	-	-	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011 ED/95/2012



	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					
126.	Arsenic acid	231-901-9	7778-39-4	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
127.	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	19/12/2011	Toxic for reproduction (Article 57c)	ED/77/2011
128.	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	19/12/2011	Toxic for reproduction (Article 57c)	ED/77/2011
129.	Calcium arsenate	231-904-5	7778-44-1	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
130.	Dichromium tris(chromate)	246-356-2	24613-89-6	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
131.	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
132.	Lead diazide, Lead azide	236-542-1	13424-46-9	19/12/2011	Toxic for reproduction (Article 57c)	ED/77/2011
133.	Lead dipicrate	229-335-2	6477-64-1	19/12/2011	Toxic for reproduction (Article 57c)	ED/77/2011
134.	Lead styphnate	239-290-0	15245-44-0	19/12/2011	Toxic for reproduction (Article 57c)	ED/77/2011
135.	N,N-dimethylacetamide	204-826-4	127-19-5	19/12/2011	Toxic for reproduction (Article 57c)	ED/77/2011
136.	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
137.	Phenolphthalein	201-004-7	77-09-8	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
138.	Potassium hydroxyoctaoxidizincatedichromate	234-329-8	11103-86-9	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
139.	Trilead diarsenate	222-979-5	3687-31-8	19/12/2011	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/77/2011



140.	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 two standard geometric errors of 6 or less micrometres (μm). c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight	-	-	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011 ED/95/2012
141.	1,2,3-trichloropropane	202-486-1	96-18-4	20/06/2011	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/31/2011
142.	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	20/06/2011	Toxic for reproduction (Article 57c)	ED/31/2011
143.	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	20/06/2011	Toxic for reproduction (Article 57c)	ED/31/2011
144.	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	20/06/2011	Toxic for reproduction (Article 57c)	ED/31/2011
145.	2-ethoxyethyl acetate	203-839-2	111-15-9	20/06/2011	Toxic for reproduction (Article 57c)	ED/31/2011
146.	Hydrazine	206-114-9	302-01-2, 7803-57-8	20/06/2011	Carcinogenic (Article 57a)	ED/31/2011



147.	Strontium chromate	232-142-6	7789-06-2	20/06/2011	Carcinogenic (Article 57a)	ED/31/2011
148.	2-ethoxyethanol	203-804-1	110-80-5	15/12/2010	Toxic for reproduction (Article 57c)	ED/95/2010
149.	2-methoxyethanol	203-713-7	109-86-4	15/12/2010	Toxic for reproduction (Article 57c)	ED/95/2010
150.	Acids generated from chromium trioxide and their oligomers Oligomers of chromic acid and dichromic acid EC no.: - CAS no.: - Dichromic acid EC no.: 236-881-5 CAS no.: 7738-94-5 Chromic acid EC no.: 231-801-5 CAS no.: 13530-68-2	-	-	15/12/2010	Carcinogenic (Article 57a)	ED/95/2010
151.	Chromium trioxide	215-607-8	1333-82-0	15/12/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b)	ED/95/2010
152.	Cobalt(II) carbonate	208-169-4	513-79-1	15/12/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/95/2010
153.	Cobalt(II) diacetate	200-755-8	71-48-7	15/12/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/95/2010
154.	Cobalt(II) dinitrate	233-402-1	10141-05-6	15/12/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/95/2010
155.	Cobalt(II) sulphate	233-334-2	10124-43-3	15/12/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/95/2010
156.	Ammonium dichromate	232-143-1	7789-09-5	18/06/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c)	ED/30/2010

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157.	<u>Boric acid</u> EC No. 233-139-2 and EC No. 234-343-4 <u>Boric acid, crude natural</u> EC no.: 234-343-4 CAS no.: 11113-50-1 <u>Boric acid</u> EC no.: 233-139-2 CAS no.: 10043-35-3	-	-	18/06/2010	Toxic for reproduction (Article 57c)	ED/30/2010
158.	<u>Disodium tetraborate, anhydrous</u>	215-540-4	12179-04-3, 1303-96-4, 1330-43-4	18/06/2010	Toxic for reproduction (Article 57c)	ED/30/2010
159.	<u>Potassium chromate</u>	232-140-5	7789-00-6	18/06/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b)	ED/30/2010
160.	<u>Potassium dichromate</u>	231-906-6	7778-50-9	18/06/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c)	ED/30/2010
161.	<u>Sodium chromate</u>	231-889-5	7775-11-3	18/06/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c)	ED/30/2010
162.	<u>Tetraboron disodium heptaoxide, hydrate</u>	235-541-3	12267-73-1	18/06/2010	Toxic for reproduction (Article 57c)	ED/30/2010
163.	<u>Trichloroethylene</u>	201-167-4	79-01-6	18/06/2010	Carcinogenic (Article 57a)	ED/30/2010
164.	<u>Acrylamide</u>	201-173-7	79-06-1	30/03/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b)	ED/68/2009
165.	<u>2,4-dinitrotoluene</u>	204-450-0	121-14-2	13/01/2010	Carcinogenic (Article 57a)	ED/68/2009
166.	<u>Anthracene oil</u>	292-602-7	90640-80-5	13/01/2010	Carcinogenic (Article 57a)	ED/68/2009

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	-				PBT (Article 57d) vPvB (Article 57e)	
167.	Anthracene oil, anthracene paste	292-603-2	90640-81-6	13/01/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e)	ED/68/2009
168.	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	13/01/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e)	ED/68/2009
169.	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	13/01/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e)	ED/68/2009
170.	Anthracene oil, anthracene-low	292-604-8	90640-82-7	13/01/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e)	ED/68/2009
171.	Diisobutyl phthalate	201-553-2	84-69-5	13/01/2010	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health)	EU/2017/4462 ED/30/2017 ED/68/2009
172.	Lead chromate	231-846-0	7758-97-6	13/01/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/68/2009

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173.	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	13/01/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/68/2009
174.	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	13/01/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/68/2009
175.	Pitch, coal tar, high-temp.	266-028-2	65996-93-2	13/01/2010	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)	ED/68/2009
176.	Tris(2-chloroethyl) phosphate	204-118-5	115-96-8	13/01/2010	Toxic for reproduction (Article 57c)	ED/68/2009
177.	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	28/10/2008	Carcinogenic (Article 57a)	ED/67/2008
178.	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	28/10/2008	vPvB (Article 57e)	ED/67/2008
179.	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	28/10/2008	PBT (Article 57d) vPvB (Article 57e)	ED/67/2008
180.	Anthracene	204-371-1	120-12-7	28/10/2008	PBT (Article 57d)	ED/67/2008
181.	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	28/10/2008	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health)	EU/2017/4462 ED/30/2017 ED/67/2008
182.	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	28/10/2008	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties	EU/2017/4462 ED/108/2014 ED/30/2017 ED/67/2008



					(Article 57(f) - human health)	
183.	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	28/10/2008	PBT (Article 57d)	ED/67/2008
184.	Cobalt dichloride	231-589-4	7646-79-9	28/10/2008	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/31/2011 ED/67/2008
185.	Diarsenic pentaoxide	215-116-9	1303-28-2	28/10/2008	Carcinogenic (Article 57a)	ED/67/2008
186.	Diarsenic trioxide	215-481-4	1327-53-3	28/10/2008	Carcinogenic (Article 57a)	ED/67/2008
187.	Dibutyl phthalate (DBP)	201-557-4	84-74-2	28/10/2008	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health)	EU/2017/4462 ED/30/2017 ED/67/2008
188.	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified Hexabromocyclododecane EC no.: 247-148-4 CAS no.: 25637-99-4 1,2,5,6,9,10-hexabromocyclododecane EC no.: 221-695-9 CAS no.:3194-55-6 alpha-hexabromocyclododecane EC no.: - CAS no.: 134237- 50-6 beta-hexabromocyclododecane EC no.: - CAS no.: 134237- 51-7 gamma-hexabromocyclododecane EC no.: - CAS no.: 134237-52-8	-	-	28/10/2008	PBT (Article 57d)	ED/67/2008
189.	Lead hydrogen arsenate	232-064-2	7784-40-9	28/10/2008	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)	ED/67/2008

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190.	Sodium dichromate	234-190-3	10588-01-9, 7789-12-0	28/10/2008	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c)	ED/67/2008
191.	Triethyl arsenate	427-700-2	15606-95-8	28/10/2008	Carcinogenic (Article 57a)	ED/67/2008

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