

REACH 符合性宣告

REACH Regulation(EC)No 1907/2006 of the European Parliament and the European Council concerning the Registration, Evaluation, Authorization and Restriction of Chemical substances entered into force on 1 June 2007.

歐洲議會及理事會關於在2007年6月1日對於化學品注冊，評估，授權，限制的 (EC) 1907/2006號 法規；

The European Chemicals Agency (ECHA) announced on 20th June 2016 that all 1 substances previously proposed as Substances of Very High Concern (SVHC) have been added to the Candidate List. The Candidate List now contains 169 SVHCs. Please refer to web address at <http://echa.europa.eu> for Detailed SVHCs information)

歐盟化學總署於2016年6月20日正式公告將新的1項高度關注物質納入歐盟化學總署公告的高度關注物質清單，截止目前共有169項SVHC物質。詳細高關注度物質清單參見網址：
<http://echa.europa.eu>

As a potential or current supplier of UMEC, our company is responsible for ensuring full compliance with REACH Regulation Requirement. We hereby warrants and guarantees that all of our products to UMEC can meet item 1 (Note:Please fill 1 or 2, if meet item 2, please fill SVHC concentration in below table)

作為UMEC的潛在或已有供應商，本公司有責任完全滿足REACH法規要求。本公司交至UMEC之所有零部件中REACH SVHC的含有情況滿足以下第1項(請填入1或2，選第2項請填寫下表SVHC含量)。

- 1 所有產品中SVHC含量不超過1000ppm (All of product contain SVHC <1000ppm)
- 2 部分零件含有SVHC，且含量大于1000ppm，請參考下表。(Some of our product contain SVHC ,and SVHC >1000ppm, please refer to below table)

Table 1: Informaiton of SVHC, contain above 1000ppm(SVHC含有狀況,SVHC大于1000ppm)

No.	UMEC parts number	Manufacturer part number	Weight of Product (mg)	Name of SVHC	CAS No. of SVHC	Concentration (ppm:SVHC/Product weight)	Description of use
1							
2							
3							

[供應商名稱Supplier Name]: _____

[地址Address]: _____

[簽名 Signature]: _____

[Company Seal]: _____

Please be noted that you should be responsible for all the information provided on the REACH declaration. please provide us with updated declaration once new SVHC(substances of very high concern) are added in the candidate list. 請對REACH聲明的內容負責并在高度關注物質有增加時及時提供更新聲明。

REACH SVHC Substance

	No.	Substance name	EC No.	CAS No.	Notes
SVHC1 2008.10.28	1	Anthracene	204-371-1	120-12-7	
	2	4,4'- Diaminodiphenylmethane	202-974-4	101-77-9	
	3	Dibutyl phthalate	201-557-4	84-74-2	Plasticizer for PVC, etc
	4	Cobalt dichloride	231-589-4	7646-79-9	Silica gel indicator
	5	Diarsenic pentaoxide	215-116-9	1303-28-2	
	6	Diarsenic trioxide	215-481-4	1327-53-3	anti-foaming agent for glass
	7	Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	
	8	5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)	201-329-4	81-15-2	
	9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	204-211-0	117-81-7	Plasticizer for PVC, etc.
	10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α – HBCDD, β -HBCDD, γ -HBCDD)	247-148-4, 221-695-9	25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	Brominated flame retardants
	11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	
	12	Bis(tributyltin)oxide	200-268-0	56-35-9	
	13	Lead hydrogen arsenate	232-064-2	7784-40-9	
	14	Benzyl butyl phthalate	201-622-7	85-68-7	Plasticizer for PVC, etc.
	15	Triethyl arsenate	427-700-2	15606-95-8	
SVHC2 2010.01.13	16	2,4-Dinitrotoluene	204-450-0	121-14-2	
	17	Anthracene oil	292-602-7	90640-80-5	
	18	Anthracene oil, anthracene paste, distn. Lights	295-278-5	91995-17-4	
	19	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	
	20	Anthracene oil, anthracene-low	292-604-8	90640-82-7	
	21	Anthracene oil, anthracene paste	292-603-2	90640-81-6	
	22	Diisobutyl phthalate	201-553-2	84-69-5	Plasticizer for PVC, etc
	23	Aluminosilicate Refractory Ceramic Fibres (RCF)	(650-017-00-8)	-	
	24	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	(650-017-00-8)	-	
	25	Lead chromate	231-846-0	7758-97-6	
	26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	
	27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	
	28	Acrylamide	201-173-7	79-06-1	used in waste water treatment and paper processing
	29	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	
	30	Coal tar pitch, high temperature	266-028-2	65996-93-2	
SVHC3 2010.06.18	31	Trichloroethylene	201-167-4	79-01-6	
	32	Boric acid	233-139-2 / 234-343-4	10043-35-3 / 11113-50-1	
	33	Disodium tetraborate, anhydrous	215-540-4	1330-43-4 / 12179-04-3 / 1303-96-4	
	34	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	
	35	Sodium chromate	231-889-5	7775-11-3	
	36	Potassium chromate	232-140-5	7789-00-6	
	37	Ammonium dichromate	232-143-1	7789-09-5	
	38	Potassium dichromate	231-906-6	7778-50-9	
SVHC4 2010.12.15	39	Cobalt(II) sulphate	233-334-2	10124-43-3	
	40	Cobalt(II) dinitrate	233-402-1	10141-05-6	
	41	Cobalt(II) carbonate	208-169-4	513-79-1	
	42	Cobalt(II) diacetate	200-755-8	71-48-7	
	43	2-Methoxyethanol	203-713-7	109-86-4	
	44	2-Ethoxyethanol	203-804-1	110-80-5	
	45	Chromium trioxide	215-607-8	1333-82-0	
	46	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	

SVHC5 2011.06.20	47	2-ethoxyethyl acetate	203-839-2	111-15-9	
	48	Strontium chromate	232-142-6	7789-06-2	
	49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	271-084-6	68515-42-4	
	50	Hydrazine	206-114-9	7803-57-8, 302-01-2	
	51	1-methyl-2-pyrrolidone	212-828-1	872-50-4	
	52	1,2,3-trichloropropane	202-486-1	96-18-4	
	53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	276-158-1	71888-89-6	
SVHC6 2011.12.19	54	Dichromium tris(chromate)	24613-89-6	246-356-2	
	55	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	234-329-8	
	56	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	
	57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	
	58	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	
	59	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	
	60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	205-426-2	140-66-9	
	61	1,2-Dichloroethane	203-458-1	107-06-2	
	62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	
	63	Arsenic acid	231-901-9	7778-39-4	
	64	Calcium arsenate	231-904-5	7778-44-1	
	65	Trilead diarsenate	3687-31-8	222-979-5	
	66	N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5	
	67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	
	68	Phenolphthalein	201-004-7	77-09-8	
69	Lead diazide	13424-46-9	236-542-1		
70	Lead styphnate	15245-44-0	239-290-0		
71	Lead dipicrate	229-335-2	6477-64-1		
SVHC7 2012.06.18	72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	
	73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	
	74	Diboron trioxide	215-125-8	1303-86-2	
	75	Formamide	200-842-0	75-12-7	
	76	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	
	77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	219-514-3	2451-62-9	
	78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-	423-400-0	59653-74-6	
	79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	
	80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	
	81	[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	
82	[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		
83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1		
84	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		
	85	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	
	86	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	
	87	Henicosfluoroundecanoic acid	218-165-4	2058-94-8	

88	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]</i>	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	
89	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]</i>	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	
90	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	
91	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	
92	Lead dinitrate	233-245-9	10099-74-8	
93	Silicic acid, lead salt	234-363-3	11120-22-2	
94	4-Aminoazobenzene	200-453-6	1960-09-3	
95	Lead titanium zirconium oxide	235-727-4	12626-81-2	
96	Lead monoxide (lead oxide)	215-267-0	1317-36-8	
97	o-Toluidine	202-429-0	95-53-4	
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	
99	Silicic acid (H ₂ Si ₂ O 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 082-001-00-6 in Regulation (EC) No 1272/2008]	272-271-5	68784-75-8	
100	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	
101	Furan	203-727-3	110-00-9	
102	N,N-dimethylformamide	200-679-5	'1968-12-2	
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	-	-	
104	4-Nonylphenol, branched and linear <i>[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]</i>	-	-	
105	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	
106	Diethyl sulphate	200-589-6	64-67-5	
107	Dimethyl sulphate	201-058-1	77-78-1	
108	Lead oxide sulfate	234-853-7	12036-76-9	
109	Lead titanium trioxide	235-038-9	12060-00-3	
110	Acetic acid, lead salt, basic	257-175-3	51404-69-4	
111	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	
113	N-methylacetamide	201-182-6	79-16-3	
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	
115	1,2-Diethoxyethane	211-076-1	629-14-1	
116	Tetralead trioxide sulphate	235-380-9	12202-17-4	
117	N-pentyl-isopentylphthalate	-	776297-69-9	
118	Dioxobis(stearato)trilead	235-702-8	12578-12-0	
119	Tetraethyllead	201-075-4	78-00-2	
120	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	
121	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	
122	Tricosafuorododecanoic acid	206-203-2	307-55-1	
123	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	
124	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	
125	Methoxyacetic acid	210-894-6	625-45-6	

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	126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	
	127	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	
	128	Trilead dioxide phosphonate	235-252-2	12141-20-7	
	129	o-aminoazotoluene	202-591-2	97-56-3	
	130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	
	131	4,4'-oxydianiline and its salts	202-977-0	101-80-4	
	132	Orange lead (lead tetroxide)	215-235-6	1314-41-6	
	133	Biphenyl-4-ylamine	202-177-1	92-67-1	
	134	Diisopentylphthalate	210-088-4	605-50-5	
	135	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	
	136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	
	137	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	
	138	Lead cyanamidate	244-073-9	20837-86-9	
SVHC9 2013.06.20	139	Cadmium	231-152-8	7440-43-9	
	140	Cadmium oxide	215-146-2	1306-19-0	
	141	Ammonium pentadecafluorooctanoate	223-320-4	3825-26-1	
	142	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	
	143	Dipentyl phthalate (DPP)	205-017-9	131-18-0	
	144	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]	-	-	
SVHC10 2013.12.16	145	Cadmium sulphide	215-147-8	1306-23-6	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
	146	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)
	147	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)
	148	Dihexyl phthalate	201-559-5	84-75-3	Toxic for reproduction (Article 57 c)
	149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	Toxic for reproduction (Article 57 c)
	150	Lead di(acetate)	206-104-4	301-04-2	Toxic for reproduction (Article 57 c)
	151	Trixylyl phosphate	246-677-8	25155-23-1	Toxic for reproduction (Article 57 c)
SVHC11 2014.6.16	152	Cadmium chloride	233-296-7	10108-64-2	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
	153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	Toxic for reproduction (Article 57 c)
	154	Sodium peroxometaborate	231-556-4	7632-04-4	Toxic for reproduction (Article 57 c)
	155	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-	Toxic for reproduction (Article 57 c)
	156	2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	223-346-6	3846-71-7	PBT (Article 57d); vPvB (Article 57e)

SVHC12 2014.12.17	157	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 57 c)
	158	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)	-	-	Toxic for reproduction (Article 57 c)
	159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	PBT (Article 57d); vPvB (Article 57e)
	160	Cadmium fluoride	232-222-0	7790-79-6	Carcinogenic(Article 57 a); Mutagenic(Article 57 b); Toxic for reproduction(Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57f)
	161	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	Carcinogenic(Article 57 a); Mutagenic(Article 57 b); Toxic for reproduction(Article 57 c) Equivalent level of concern having probable serious effects to human health (Article 57f)
SVHC13 2015.06.15	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with \geq 0.3% of dihexyl phthalate (EC No. 201-559-5)	271-094-0	68515-51-5	Toxic for reproduction (Article 57 c)
			272-013-1	68648-93-1	
	163	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 57e)
SVHC14 2015.12.17	164	1,3-propanesultone	214-317-9	1120-71-4	Carcinogenic (Article 57 a)
	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	vPvB (Article 57 e)
	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	vPvB (Article 57 e)
	167	Nitrobenzene	202-716-0	98-95-3	Toxic for reproduction (Article 57 c)
	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1 21049-39-8 4149-60-4	Toxic for reproduction (Article 57 c) PBT (Article 57 d)
SVHC15 2016.6.20	169	Benzo[def]chrysene	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)