

## Declaración de no uso de

## Sustancias muy preocupantes SVHC (Substances of Very High Concern) del “listado Candidato” actualizado el 27 de junio 2018

En la producción de todos los productos suministrados por Siegwerk<sup>1</sup> las siguientes sustancias muy preocupantes, que pueden estar sujetas a autorización de acuerdo al artículo 57 del Reglamento (CE) N° 1907/2006, o materias primas que contengan estas sustancias no son utilizados de modo intencionado como componentes:

Nombre de la Sustancia	Número CAS
Cadmium sulphide	1306-23-6
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0
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
Diethyl phthalate	84-75-3
Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7
Lead di(acetate)	301-04-2
Triethyl phosphate	25155-23-1
Cadmium	7440-43-9
Cadmium oxide	1306-19-0
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
Pentadecafluorooctanoic acid (PFOA)	335-67-1
Dipentyl phthalate (DPP)	131-18-0
4-Nonylphenol, branched and linear, ethoxylated	-
2,4-Dinitrotoluene	121-14-2
4,4'-Diaminodiphenylmethane	101-77-9
5-tert-Butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2
Acrylamide	79-06-1
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8
Aluminosilicate, Refractory Ceramic Fibres	- <sup>2</sup>
Ammonium dichromate	7789-09-5
Anthracene	120-12-7
Anthracene oil	90640-80-5
Anthracene oil, anthracene paste	90640-81-6
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2

<sup>1</sup> Este compromiso formal es asumido por las empresas de Siegwerk en Europa, Norteamérica y Asia.

<sup>2</sup> Todas las fibras cerámicas refractarias están cubiertas por el número Index 650-017-00-8. En el Anexo VI del reglamento de clasificación CLP Reglamento (CE) N° 1272/2008, Etiquetado y embalaje de sustancias químicas y mezclas.



Nombre de la Sustancia	Número CAS
Anthracene oil, anthracene paste, distn. lights <sup>3</sup>	91995-17-4
Anthracene oil, anthracene-low	90640-82-7
Benzyl butyl phthalate (BBP)	85-68-7
Bis(2-ethyl(hexyl)phthalate) (DEHP)	117-81-7
Bis(tributyltin)oxide	56-35-9
Boric acid	10043-35-3 / 11113-50-1
Cobalt dichloride	7546-79-9
Diarsenic pentaoxide	1303-28-2
Diarsenic trioxide	1327-53-3
Dibutyl phthalate (DBP)	84-74-2
Diisobutyl phthalate	84-69-5
Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:	25637-99-4
1,2,5,6,9,10-hexabromocyclododecane	3194-55-6
Alpha-hexabromocyclododecane	134237-50-6
Beta-hexabromocyclododecane	134237-51-7
Gamma-hexabromocyclododecane	134237-52-8
Lead chromate	7758-97-6
Lead chromate molybdate sulphate red (C.I. Pigment Red 104) <sup>4</sup>	12656-85-8
Lead hydrogen arsenate	7784-40-9
Lead sulfochromate yellow (C.I. Pigment Yellow 34) <sup>4</sup>	1344-37-2
Pitch, coal tar, high temperature	65996-93-2
Potassium chromate	7789-00-6
Potassium dichromate	7778-50-9
Sodium chromate	7775-11-3
Sodium dichromate	7789-12-0 10588-01-9
Tetraboron disodium heptaoxide, hydrate	12267-73-1
Trichloroethylene	79-01-6
Triethyl arsenate	15606-95-8
Tris(2-chloroethyl)phosphate	115-96-8
Zirconia Aluminosilicate, Refractory Ceramic Fibres	- <sup>2</sup>
Cobalt(II) sulphate	10124-43-3
Cobalt(II) dinitrate	10141-05-6
Cobalt(II) carbonate	513-79-1
Cobalt(II) diacetate	71-48-7
2-Methoxyethanol	109-86-4
2-Ethoxyethanol	110-80-5
Chromium trioxide	1333-82-0
Acids generated from chromium trioxide and their oligomers: <ul style="list-style-type: none"> <li>Chromic acid</li> <li>Dichromic acid</li> <li>Oligomers of chromic acid and dichromic acid</li> </ul>	7738-94-5 13530-68-2 -

<sup>3</sup> Fracciones ligeras de destilación.

<sup>4</sup> C.I.: Color Index



Nombre de la Sustancia	Número CAS
Cobalt dichloride	7646-79-9
2-Ethoxyethyl acetate	111-15-9
Strontium chromate	7789-06-2
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4
Hydrazine	7803-57-8 302-01-2
1-Methyl-2-pyrrolidone	872-50-4
1,2,3-Trichloropropane	96-18-4
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6
Lead dipicrate	6477-64-1
Lead styphnate	15245-44-0
Lead diazide	13424-46-9
Phenolphthalein	77-09-8
2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	101-14-4
N,N-Dimethylacetamide (DMAC)	127-19-5
Trilead diarsenate	3687-31-8
Calcium arsenate	7778-44-1
Arsenic acid	7778-39-4
Bis(2-methoxyethyl) ether	111-96-6
1,2-Dichloroethane	107-06-2
4-(1,1,3,3-Tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9
2-Methoxyaniline o-Anisidine	90-04-0
Bis(2-methoxyethyl) phthalate	117-82-8
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4
Pentazinc chromate octahydroxide	49663-84-5
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9
Dichromium tris(chromate)	24613-89-6
1,2-Bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2
1,2-Dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4
Diboron trioxide	1303-86-2
Formamide	75-12-7
Lead(II) bis(methanesulfonate)	17570-76-2
TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9
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
4,4'-Bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8
N,N,N',N'-Tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1
[4-[4,4'-Bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) Note: The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration ≥ 0.1% (weight / weight).	548-62-9
[4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) Note: The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration ≥ 0.1% (weight / weight).	2580-56-5
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) Note: The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration ≥ 0.1% (weight / weight).	6786-83-0



Nombre de la Sustancia	Número CAS
4,4'-Bis(dimethylamino)-4''-(methylamino)trityl alcohol Note: The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration $\geq 0.1\%$ (weight / weight).	561-41-1
Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5
Pentacosafuorotridecanoic acid	72629-94-8
Tricosafuorododecanoic acid	307-55-1
Henicosafuoroundecanoic acid	2058-94-8
Heptacosafuorotetradecanoic acid	376-06-7
4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated -	-
4-Nonylphenol, branched and linear -	-
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3
Cyclohexane-1,2-dicarboxylic anhydride	85-42-7
cis-Cyclohexane-1,2-dicarboxylic anhydride	13149-00-3
trans-Cyclohexane-1,2-dicarboxylic anhydride	14166-21-3
Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9
Methoxy acetic acid	625-45-6
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
Diisopentylphthalate (DIPP)	605-50-5
N-Pentyl-isopentylphthalate	776297-69-9
1,2-Diethoxyethane	629-14-1
N,N-Dimethylformamide; dimethyl formamide	68-12-2
Dibutyltin dichloride (DBT)	683-18-1
Acetic acid, lead salt, basic	51404-69-4
Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6
Lead oxide sulfate (basic lead sulfate)	12036-76-9
[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9
Dioxobis(stearato)trilead	12578-12-0
Fatty acids, C16-18, lead salts	91031-62-8
Lead bis(tetrafluoroborate)	13814-96-5
Lead cyanamate	20837-86-9
Lead dinitrate	10099-74-8
Lead oxide (lead monoxide)	1317-36-8
Lead tetroxide (orange lead)	1314-41-6
Lead titanium trioxide	12060-00-3
Lead titanium Zirconium Oxide	12626-81-2
Pentalead tetraoxide sulphate	12065-90-6
Pyrochlore, antimony lead yellow	8012-00-8
Silicic acid, barium salt, lead-doped	68784-75-8
Silicic acid, lead salt	11120-22-2
Sulfurous acid, lead salt, dibasic	62229-08-7
Tetraethyllead	78-00-2
Tetralead trioxide sulphate	12202-17-4
Trilead dioxide phosphonate	12141-20-7
Furan	110-00-9
Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9
Diethyl sulphate	64-67-5



Nombre de la Sustancia	Número CAS
Dimethyl sulphate	77-78-1
3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2
Dinoseb	88-85-7
4,4'-Methylenedi-o-toluidine	838-88-0
4,4'-Oxydianiline and its salts	101-80-4
4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3
4-Methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7
6-Methoxy-m-toluidine (p-cresidine)	120-71-8
Biphenyl-4-ylamine	92-67-1
o-Aminoazotoluene	97-56-3
o-Toluidine; 2-Aminotoluene	95-53-4
N-Methylacetamide	79-16-3
1-Bromopropane; n-propyl bromide	106-94-5
Cadmium chloride	10108-64-2
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4
Sodium peroxometaborate	7632-04-4
Sodium perborate; perboric acid, sodium salt	15120-21-5; 11138-47-9
Cadmium fluoride	7790-79-6
Cadmium sulphate	10124-36-4; 31119-53-6
2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7
2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1
2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1
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)	-
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1
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]	-
1,3-propanesultone	1120-71-4
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3
Nitrobenzene	98-95-3
Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1; 21049-39-8; 4149-60-4
Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8
4,4'-Isopropylidenediphenol (Bisphenol A; BPA)	80-05-7
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7
p-(1,1-Dimethylpropyl)phenol	80-46-6
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]	-



Nombre de la Sustancia	Número CAS
Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	-
Chrysene	218-01-9
Benz[a]anthracene	56-55-3
Cadmium nitrate	10325-94-7
Cadmium hydroxide	21041-95-2
Cadmium carbonate	513-78-0
1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octa-deca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear	-
Lead	7439-92-1
Disodium octaborate	12008-41-2
Benzo[ghi]perylene	191-24-2
Terphenyl hydrogenated	61788-32-7
Ethylenediamine (EDA)	107-15-3
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7
Dicyclohexyl phthalate (DCHP)	84-61-7

Sin embargo, no se puede excluir la presencia de trazas de estas sustancias, muy pequeñas pero detectables analíticamente, provenientes de impurezas en las materias primas, del proceso o como contaminación accidental. Siegwerk salvaguarda la obtención de documentación comprensiva de todos los proveedores involucrados a través del proceso de introducción de materias primas coordinado centralizadamente. Por tanto, Siegwerk asegura que de acuerdo al conocimiento científico actual, las trazas potenciales en nuestros productos, en caso de existir, están bastante por debajo de 0.1%.

En casos extremadamente raros, la presencia de las siguientes sustancias no puede ser completamente excluido y podría alcanzar niveles ligeramente superiores a 0.1%.

Octamethylcyclotetrasiloxane (D4)	556-67-2
Decamethylcyclopentasiloxane (D5)	541-02-6
Dodecamethylcyclohexasiloxane (D6)	540-97-6

En cualquiera de estos casos la sustancia respectiva sera incluida en la lista de la sección 3.2 de la hoja de seguridad, según se explica en el Anexo II del reglamento REACH de la UE.