

Statement of compliance to REACH

PANJIT INTERNATIONAL INC. manufactures only products according to REACH. These products are not intended to release any harmful substance under normal and reasonable foreseeable conditions of usage. Based on Article 33 of REACH, we will continue to monitor developments of the REACH legislation and are committed to meeting our responsibilities for protection of the environment.

Article 33:

1. Any supplier of an article containing a substance meeting the criteria in Article 57 (Definition of SVHC) and identified in accordance with Article 59(1) (dossier for SVHC) in a concentration above 0.1 % weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance.

 2. On request by a consumer any supplier of an article containing a substance meeting the criteria in Article 57(Definition of SVHC) and identified in accordance with Article 59(1) (dossier for SVHC) in a concentration above 0.1% weight by weight (w/w) shall provide the consumer with sufficient information, available to the supplier, to allow safe use of the article including as a minimum, the name of that substance.
- The relevant information shall be provided, free of charge, within 45 days of receipt of the request.

Annex I

Panjit products list regarding SVHC

Package	Function	PbO Yes / No	B2O3 Yes / No
DFN 2L	TVS/ESD	No	No
	SWITCHING	No	No
	SCHOTTKY	No	No
	ZENER	No	No
DFN 3L	TVS/ESD	No	No
	SWITCHING	No	No
	MOSFET	No	No
	Transistors	No	No
SOD-123	TVS/ESD	No	No
	SWITCHING	No	No
	SCHOTTKY	No	No
	ZENER	No	No
SOD-323	TVS/ESD	No	No
	SWITCHING	No	No
	SCHOTTKY	No	No
	PIN	No	No
	ZENER	No	No

SOD-523	TVS/ESD	No	No
	SWITCHING	No	No
	SCHOTTKY	No	No
	PIN	No	No
	ZENER	No	No
SOD-723	TVS/ESD	No	No
	SWITCHING	No	No
	SCHOTTKY	No	No
	PIN	No	No
	ZENER	No	No
SOD-923	TVS/ESD	No	No
	SWITCHING	No	No
	SCHOTTKY	No	No
SOD-123FL	TVS	0.24%*	No
	SCHOTTKY	No	No
	ZENER	No	No
	General	0.24%*	No
	Fast	0.24%*	No
	Ultra Fast	0.24%*	No
	Super Fast	0.24%*	No
SOD-123HE	SCHOTTKY	No	No
	General	0.28%*	No
SOD-323HE	SCHOTTKY	No	No
	General	No	No
SOT-23	TVS/ESD	No	No
	SWITCHING	No	No
	MOSFET	No	No
	SCHOTTKY	No	No
	Transistors	No	No
	PIN	No	No
	ZENER	No	No
SOT-323	TVS/ESD	No	No
	SWITCHING	No	No
	MOSFET	No	No
	SCHOTTKY	No	No
	Transistors	No	No
	ZENER	No	No

SOT-363	TVS/ESD	No	No
	SWITCHING	No	No
	MOSFET	No	No
	SCHOTTKY	No	No
	SKY / ESD	No	No
	Transistors	No	No
	ZENER	No	No
SOT-23 6L	TVS/ESD	No	No
	SWITCHING	No	No
	SCHOTTKY	No	No
	SKY / ESD	No	No
	Transistors	No	No
SOT-353	TVS/ESD	No	No
SOT-23 5L	TVS/ESD	No	No
SOT-143	TVS/ESD	No	No
	PIN	No	No
SOT-543	TVS/ESD	No	No
SOT-523	TVS/ESD	No	No
	SWITCHING	No	No
	MOSFET	No	No
	SCHOTTKY	No	No
	Transistors	No	No
	ZENER	No	No
	ZENER ESD	No	No
SOT-563	TVS/ESD	No	No
	SWITCHING	No	No
	SCHOTTKY	No	No
	SKY / ESD	No	No
	Transistors	No	No
SOT-553	TVS/ESD	No	No
SMA	General	No	No
	Fast	No	No
	Ultra Fast	No	No
	Super Fast	No	No
	TVS	No	No
	SCHOTTKY	No	No
	ZENER	No	No
SMB	General	No	No
	Fast	No	No
	Ultra Fast	No	No

SMB	Super Fast	No	No
	TVS	No	No
	SCHOTTKY	No	No
	ZENER	No	No
SMC	General	No	No
	Fast	No	No
	Ultra Fast	No	No
	Super Fast	No	No
	TVS	No	No
	SCHOTTKY	No	No
	ZENER	No	No
SMAF	General	No	No
	Fast	No	No
	Ultra Fast	No	No
	Super Fast	No	No
	TVS	No	No
	SCHOTTKY	No	No
	ZENER	No	No
SMBF	General	No	No
	Fast	No	No
	Ultra Fast	No	No
	Super Fast	No	No
	TVS	No	No
	SCHOTTKY	No	No
	ZENER	No	No
SMA(W)	General	No	No
	Ultra Fast	No	No
	Fast	No	No
	SCHOTTKY	No	No
TO-277	Super Fast	0.5%*	No
	Fast	0.5%*	No
	Ultra Fast	0.5%*	No
	MOSFET	No	No
	SCHOTTKY	No	No
TO-220AB	SCHOTTKY	No	No
	Super Fast	No	No
	Ultra Fast	No	No
	MOSFET	No	No
ITO-220AB	SCHOTTKY	No	No
	Super Fast	No	No
	Ultra Fast	No	No

TO-220AC	Fast	No	No
	Ultra Fast	No	No
	SCHOTTKY	No	No
	Super Fast	No	No
ITO-220AC	Ultra Fast	No	No
	SCHOTTKY	No	No
	Super Fast	No	No
D PAK(TO-252)	MOSFET	No	No
	SCHOTTKY	No	No
	Super Fast	No	No
D 2 PAK(TO-263)	MOSFET	No	No
	SCHOTTKY	No	No
	Super Fast	No	No
	Fast	No	No
	Ultra Fast	No	No
TO-3P (TO-247AD)	SCHOTTKY	No	No
TO-3PS (TO-247S)	SCHOTTKY	No	No
D PAK (TO-251AB)	SCHOTTKY	No	No
	Super Fast	No	No
R-1	Super Fast	No	No
	Fast	No	No
	Ultra Fast	No	No
	General	No	No
	SCHOTTKY	No	No
	ZENER	No	No
A-405	Super Fast	No	No
	Fast	No	No
	Ultra Fast	No	No
	General	No	No
	SCHOTTKY	No	No
DO-41	ZENER	No	No
	TVS	No	No
	SCHOTTKY	No	No
	Super Fast	No	No
	Fast	No	No
	Ultra Fast	No	No
	General	No	No
DO-15	ZENER	No	No
	TVS	No	No
	SCHOTTKY	No	No

DO-15	Super Fast	No	No
	Fast	No	No
	Ultra Fast	No	No
	General	No	No
DO-201AD	General	No	No
	Fast	No	No
	Ultra Fast	No	No
	SCHOTTKY	No	No
	Super Fast	No	No
DO-201AE	TVS	No	No
	ZENER	No	No
P-600	General	No	No
	Fast	No	No
	Ultra Fast	No	No
	SCHOTTKY	No	No
	Super Fast	No	No
	TVS	No	No
DIP	General	No	No
	Fast	No	No
	Ultra Fast	No	No
	Super Fast	No	No
	SCHOTTKY	No	No
SDIP	General	No	No
	Fast	No	No
	Ultra Fast	No	No
	Super Fast	No	No
	SCHOTTKY	No	No
MDI	General	0.15%*	No
	SCHOTTKY	No	No
TDI	General	0.15%*	No
	SCHOTTKY	No	No
KBU	General	0.008%*	No
FL	General	0.003%*	No
KBL	General	0.003%*	No
GBU	General	0.005%*	No
GBP	General	0.133%*	No
KBPF	General	0.013%*	No
GBJ	General	0.104%*	No

KBJ	General	0.18%*	No
RB-10/AM	General	0.03%*	No
SBU	General	0.010%*	No
DO-34	SWITCHING	14%*	0.9%*
	ZENER	14%*	0.9%*
DO-35	SWITCHING	11%*	0.74%*
	ZENER	11%*	0.74%*
Mini Melf (LL-34)	SWITCHING	21%*	No
	ZENER	21%*	No
	SCHOTTKY	21%*	No
Micro Melf	SWITCHING	20%*	1.25%*
	ZENER	20%*	1.25%*
	SCHOTTKY	20%*	1.25%*
Quadro Melf	SWITCHING	21%*	1.3%*
	ZENER	21%*	1.3%*
	SCHOTTKY	21%*	1.3%*
DO-41G	ZENER	8.4%*	No
DL-41	ZENER	20%*	No

* **Note 1** : According to "Guidance for Annex V Exemptions from the obligation to register (ECHA-10-G-02-EN)" from "Regulation (EC) No 987/2008" and refer to the link below:
http://home.jeita.or.jp/ecb/pdf/PbO_glass_e.pdf

PbO noted as the ceramic matrix and the chemical compound created is not a substance of Very High Concern (SVHC).

* **Note 2** : Refer to the following statements, no obligations should arise under REACH,

"Position paper on diboron trioxide(B₂O₃)under REACH":

<http://www.zvei.org/Publikationen/Position%20paper%20on%20diboron%20trioxide.pdf>

B₂O₃ is used as a base substance in production, but is not part of the finished product, the chemical compound created is not a substance of Very High Concern (SVHC).

**Annex II
REACH SVHC list**

The first list of SVHC (ECHA/PR/08/34)

Helsinki, 9 October 2008

#	Substance name	CAS number	EC number	Basis for Identification as a SVHC
1	Anthracene	120-12-7	204-371-1	Persistent, bioaccumulative and toxic
2	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	Carcinogen,cat. 2
3	Dibutyl phthalate (DBP)	84-74-2	201-557-4	Toxic for reproduction,cat. 2
4	Cobalt dichloride*	7646-79-9	231-589-4	Carcinogen,cat.2
5	Diarsenic pentaoxide*	1303-28-2	215-116-9	Carcinogen,cat.1
6	Diarsenic trioxide*	1327-53-3	215-481-4	Carcinogen,cat.1
7	Sodium dichromate	7789-12-0 10588-01-9	234-190-3	Carcinogen,cat.2;Mutagen, cat. 2;Toxic for reproduction,cat.2
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	Very persistent and very bioaccumulative
9	Bis (2-ethyl(hexyl)phthalate)	117-81-7	204-211-0	Toxic for reproduction,cat.2
10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 3194-55-6 (134237-51-7 134237-50-6, 134237-52-8)	247-148-4 221-695-9	Persistent, bioaccumulative and toxic
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	Persistent, bioaccumulative and toxic Very persistent and very bioaccumulative
12	Bis(tributyltin)oxide	56-35-9	200-268-0	Persistent, bioaccumulative and toxic
13	Lead hydrogen arsenate*	7784-40-9	232-064-2	Carcinogen,cat.1 Toxic for reproduction,cat.1
14	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	Toxic for reproduction,cat.2
15	Triethyl arsenate	15606-95-8	427-700-2	Carcinogen,cat.1

The second batch of SVHC list (ECHA/PR/09/12)

Helsinki, 01 September 2009

#	Substance name	CAS number	EC number	Proposed SVHC property
16	Anthracene oil	90640-80-5	292-602-7	Persistent, bioaccumulative and toxic
17	Anthracene oil, anthracene paste, distn. lights *	91995-17-4	295-278-5	Persistent, bioaccumulative and toxic
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	Persistent, bioaccumulative and toxic
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	Persistent, bioaccumulative and toxic
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	Persistent, bioaccumulative and toxic
21	Coal tar pitch, high temperature	65996-93-2	266-028-2	Persistent, bioaccumulative and toxic; carcinogen, category 2

22	Acrylamide	79-06-1	201-173-7	Carcinogen, category 2; mutagen, category 2
23	2,4-Dinitrotoluene	121-14-2	204-450-0	Carcinogen, category 2
24	Diisobutyl phthalate	84-69-5	201-553-2	Toxic for reproduction, category 2
25	Lead chromate	7758-97-6	231-846-0	Carcinogen, category 2; toxic for reproduction, category 1
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	Carcinogen, category 2; toxic for reproduction, category 1
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	Carcinogen, category 2; toxic for reproduction, category 1
28	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	Toxic for reproduction, category 2

The third list of SVHC (ECHA/PR/10/12)

Helsinki, 18 June 2010

#	Substance name	CAS number	EC number	REASON FOR PROPOSAL
29	Trichloroethylene	79-01-6	201-167-4	Carcinogenic category 2
30	Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	Toxic for reproduction category 2
31	Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4	215-540-4	Toxic for reproduction category 2
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	Toxic for reproduction category 2
33	Sodium chromate	7775-11-3	231-889-5	Carcinogen, category 2; mutagen, category 2; toxic for reproduction category 2
34	Potassium chromate	7789-00-6	232-140-5	Carcinogen, category 2; mutagen, category 2
35	Ammonium dichromate	7789-09-5	232-143-1	Carcinogen, category 2; mutagen, category 2; toxic for reproduction category 2
36	Potassium dichromate	7778-50-9	231-906-6	Carcinogen, category 2; mutagen, category 2; toxic for reproduction category 2

The fourth batch of SVHC list (ECHA/PR/10/16)

Helsinki, 30 August 2010

#	Substance name	CAS number	EC number	Proposed SVH property
37	Cobalt(II) sulphate	10124-43-3	233-334-2	CMR(carcinogen, cat. 2;toxic for reproduction, cat.2)
38	Cobalt(II) dinitrate	10141-05-6	233-402-1	CMR(carcinogen, cat. 2; toxic for reproduction, cat.2)
39	Cobalt(II) carbonate	513-79-1	208-169-4	CMR(carcinogen, cat. 2;toxic for reproduction, cat. 2)
40	Cobalt(II) diacetate	71-48-7	200-755-8	CMR(carcinogen, cat. 2;toxic for reproduction, cat. 2)

41	2-Methoxyethanol	109-86-4	203-713-7	CMR(toxic for reproduction, cat.2)
42	2-Ethoxyethanol	110-80-5	203-804-1	CMR(toxic for reproduction, cat.2)
43	Chromium trioxide	1333-82-0	215-607-8	CMR(carcinogen, cat 1; mutagen, cat. 2)
44	Acids generated from chromium trioxide and their oligomers			
	Chromic acid	7738-94-5	231-801-5	CMR(carcinogen, cat. 2)
	Dichromic acid	13530-68-2	236-881-5	
	Oligomers of chromic acid and dichromic acid	—	—	

The fifth batch of SVHC list (ECHA/PR/11/15)

Helsinki, 20 June 2011

#	Substance name	CAS number	EC number	Proposed SVHC property
45	2-ethoxyethyl acetate	111-15-9	203-839-2	Art. 57(c), toxic for reproduction
46	Strontium chromate	7789-06-2	232-142-6	Art. 57(a),carcinogenic
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	Art. 57(c), toxic for reproduction
48	Hydrazine	7803-57-8 302-01-2	206-114-9	Art. 57(a),carcinogenic
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	Art. 57(c), toxic for reproduction
50	1,2,3-trichloropropane	96-18-4	202-486-1	Art.57(a)&(c),carcinogenic& toxic for reproduction
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(DIHP)	71888-89-6	276-158-1	Art. 57(c), toxic for reproduction

The sixth batch of SVHC list (ED/77/2011)

Helsinki, 19 .December. 2011

#	Substance name	CAS number	EC number	Proposed SVHC property
52	Dichromium tris(chromate)	24613-89-6	246-356-2	Carcinogenic (Article 57 a)
53	Potassium hydroxyoctaoxidizincatedi-chromate	11103-86-9	234-329-8	Carcinogenic (Article 57 a)
54	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	Carcinogenic (Article 57 a)
55	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	Carcinogenic (Article 57 a)
56	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	Toxic for reproduction (article 57c)
57	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	Carcinogenic (Article 57 a)
58	4-(1,1,3,3-tetramethylbutyl)phenol , (4-tert-Octylphenol)	140-66-9	205-426-2	Equivalent level of concern having probable serious effects to the environment (article 57 f)
59	1,2-Dichloroethane	107-06-2	203-458-1	Carcinogenic (Article 57 a)

60	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	Toxic for reproduction (article 57c)
61	Arsenic acid	7778-39-4	231-901-9	Carcinogenic (Article 57 a)
62	Calcium arsenate	7778-44-1	231-904-5	Carcinogenic (Article 57 a)
63	Trilead diarsenate	3687-31-8	222-979-5	Carcinogenic and toxic for reproduction (Articles 57a ,57c)
64	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	Toxic for reproduction (article 57c)
65	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	Carcinogenic (Article 57 a)
66	Phenolphthalein	77-09-8	201-004-7	Carcinogenic (Article 57 a)
67	Lead azide Lead diazide	13424-46-9	236-542-1	Toxic for reproduction (article 57c)
68	Lead styphnate	15245-44-0	239-290-0	Toxic for reproduction (article 57c)
69	Lead dipicrate	6477-64-1	229-335-2	Toxic for reproduction (article 57c)
70	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	—	650-017-00-8	Carcinogenic (Article 57 a)
71	Aluminosilicate Refractory Ceramic Fibres (RCF)	—	650-017-00-8	Carcinogenic (Article 57 a)

The seventh batch of SVHC list (ECHA/PR/12/16)

Helsinki, 18 June 2012

#	Substance name	CAS number	EC number	SVHC property
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	Toxic for reproduction (article 57c)
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	Toxic for reproduction (article 57c)
74	Diboron trioxide	1303-86-2	215-125-8	Toxic for reproduction (article 57c)
75	Formamide	75-12-7	200-842-0	Toxic for reproduction (article 57c)
76	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	Toxic for reproduction (article 57c)
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	2451-62-9	219-514-3	Mutagenic (Article 57 b)
78	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	423-400-0	Mutagenic (Article 57 b)
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	Carcinogenic (Article 57 a)
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	Carcinogenic (Article 57 a)
81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	219-943-6	Carcinogenic (Article 57 a)

82	[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)]	548-62-9	208-953-6	Carcinogenic (Article 57 a)
83	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)]	561-41-1	209-218-2	Carcinogenic (Article 57 a)
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)]	6786-83-0	229-851-8	Carcinogenic (Article 57 a)

The eighth batch of SVHC list (ECHA/PR/12/39)

Helsinki, 19 December 2012

#	Substance name	CAS number	EC number	SVHC property
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	PBT (Article 57 d); vPvB (Article 57 e)
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	vPvB (Article 57 e)
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	vPvB (Article 57 e)
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	vPvB (Article 57 e)
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	vPvB (Article 57 e)
90	Diazene-1,2-dicarboxamide (C, C'-azodi(formamide))	123-77-3	204-650-8	Equivalent level of concern having probable serious effects to human health (Article 57 f)
91	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [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].	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	Equivalent level of concern having probable serious effects to human health (Article 57 f)

92	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>	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	Equivalent level of concern having probable serious effects to human health (Article 57 f)
93	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]	—	—	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	—	—	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
95	Methoxyacetic acid	625-45-6	210-894-6	Toxic for reproduction (article 57c)
96	N,N-dimethylformamide	68-12-2	200-679-5	Toxic for reproduction (article 57c)
97	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	Toxic for reproduction (article 57c)
98	Lead monoxide (Lead oxide)	1317-36-8	215-267-0	Toxic for reproduction (article 57c)
99	Orange lead (Lead tetroxide)	1314-41-6	215-235-6	Toxic for reproduction (article 57c)
100	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	Toxic for reproduction (article 57c)
101	Trilead bis(carbonate) dihydroxide	1319-46-6	215-290-6	Toxic for reproduction (article 57c)
102	Lead titanium trioxide	12060-00-3	235-038-9	Toxic for reproduction (article 57c)
103	Lead titanium zirconium oxide	12626-81-2	235-727-4	Toxic for reproduction (article 57c)
104	Silicic acid, lead salt	11120-22-2	234-363-3	Toxic for reproduction (article 57c)
105	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]	68784-75-8	272-271-5	Toxic for reproduction (article 57c)
106	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	Toxic for reproduction (article 57c)

107	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	Carcinogenic(Article 57a); Mutagenic(Article 57c)
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	Toxic for reproduction (article 57c)
109	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	Toxic for reproduction (article 57c)
110	N-pentyl-isopentylphthalate	776297-69-9	—	Toxic for reproduction (article 57c)
111	1,2-diethoxyethane	629-14-1	211-076-1	Toxic for reproduction (article 57c)
112	Acetic acid, lead salt, basic	51404-69-4	257-175-3	Toxic for reproduction (article 57c)
113	Lead oxide sulfate	12036-76-9	234-853-7	Toxic for reproduction (article 57c)
114	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	Toxic for reproduction (article 57c)
115	Dioxobis(stearato)trilead	12578-12-0	235-702-8	Toxic for reproduction (article 57c)
116	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	Toxic for reproduction (article 57c)
117	Lead cyanidate	20837-86-9	244-073-9	Toxic for reproduction (article 57c)
118	Lead dinitrate	10099-74-8	233-245-9	Toxic for reproduction (article 57c)
119	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	Toxic for reproduction (article 57c)
120	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	Toxic for reproduction (article 57c)
121	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	Toxic for reproduction (article 57c)
122	Tetraethyllead	78-00-2	201-075-4	Toxic for reproduction (article 57c)
123	Tetralead trioxide sulphate	12202-17-4	235-380-9	Toxic for reproduction (article 57c)
124	Trilead dioxide phosphonate	12141-20-7	235-252-2	Toxic for reproduction (article 57c)
125	Furan	110-00-9	203-727-3	Carcinogenic (Article 57a)
126	Diethyl sulphate	64-67-5	200-589-6	Carcinogenic(Article57a) Mutagenic (Article 57b)
127	Dimethyl sulphate	77-78-1	201-058-1	Carcinogenic (Article 57a)
128	3-ethyl-2-methyl-2-(3-methylbutyl) -1,3-oxazolidine	143860-04-2	421-150-7	Toxic for reproduction (article 57c)
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	Toxic for reproduction (article 57c)
130	4,4'-methylenedi- <i>o</i> -toluidine	838-88-0	212-658-8	Carcinogenic (Article 57a)
131	4,4'-oxydianiline and its salts	101-80-4	202-977-0	Carcinogenic(Article57a) Mutagenic (Article 57b)
132	4-aminoazobenzene	60-09-3	200-453-6	Carcinogenic (Article 57a)
133	4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	Carcinogenic (Article 57a)
134	6-methoxy- <i>m</i> -toluidine (<i>p</i> -cresidine)	120-71-8	204-419-1	Carcinogenic (Article 57a)
135	Biphenyl-4-ylamine	92-67-1	202-177-1	Carcinogenic (Article 57a)
136	<i>o</i> -aminoazotoluene [(4- <i>o</i> -tolylazo- <i>o</i> -toluidine)]	97-56-3	202-591-2	Carcinogenic (Article 57a)
137	<i>o</i> -toluidine	95-53-4	202-429-0	Carcinogenic (Article 57a)
138	N-methylacetamide	79-16-3	201-182-6	Toxic for reproduction (article 57c)

Nineth batch list of SVHC (ECHA/PR/13/26)

Helsinki , 20 June 2013

#	Substance name	CAS number	EC number	Proposed SVHC property
139	Cadmium	7440-43-9	231-152-8	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57 f)
140	Cadmium oxide	1306-19-0	215-146-2	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (effects on kidney and bone) (Article 57 f)
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	Toxic for reproduction (Article 57 c);PBT (Article 57 d)
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	Toxic for reproduction (Article 57 c);PBT (Article 57 d)
143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	Toxic for reproduction (article 57c)
144	4-Nonylphenol, branched and linear, ethoxylated <i>[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]</i>	—	—	Equivalent level of concern having probable serious effects to the environment (due to the endocrine disrupting properties of the degradation products) (Article 57f)

The tenth list of SVHC (ECHA/PR/13/40)

Helsinki, 3 Jan 2014

#	Substance name	CAS number	EC number	Proposed SVHC property
145	Cadmium sulphide	1306-23-6	215-147-8	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)	573-58-0	209-358-4	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)	1937-37-7	217-710-3	Carcinogenic (Article 57a)
148	Dihexyl phthalate	84-75-3	201-559-5	Toxic for reproduction (article 57c)
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	Toxic for reproduction (article 57c)
150	Lead di(acetate)	301-04-2	206-104-4	Toxic for reproduction (article 57c)
151	Trixylyl phosphate	25155-23-1	246-677-8	Toxic for reproduction (article 57c)

The 11th batch of SVHC list (ECHA/PR/14/11)

Helsinki, 16 June 2014

#	Substance name	CAS number	EC number	Proposed SVHC property
152	Cadmium chloride	10108-64-2	233-296-7	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	68515-50-4	271-093-5	Toxic for reproduction (article 57c)
154	Sodium peroxometaborate	7632-04-4	231-556-4	Toxic for reproduction (article 57c)
155	Sodium perborate; perboric acid, sodium salt	—	239-172-9 234-390-0	Toxic for reproduction (article 57c)

The 12th batch of SVHC list (ECHA/PR/14/18)

Helsinki, 17 December 2014

#	Substance name	CAS number	EC number	Proposed SVHC property
156	Cadmium fluoride	7790-79-6	232-222-0	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 57 f)
157	Cadmium sulphate	10124-36-4 ; 31119-53-6	233-331-6	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (article 57c) Equivalent level of concern having probable serious effects to human health (Article 57 f)
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	PBT (Article 57 d); vPvB (Article 57 e)
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	PBT (Article 57 d); vPvB (Article 57 e)
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	Toxic for reproduction (article 57c)
161	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 57c)

The 13th batch of SVHC list (ECHA/PR/15/09)

Helsinki, 15 JUNE 2015

#	Substance name	CAS number	EC number	Proposed SVHC property
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)	68515-51-5 68648-93-1	271-094-0 272-013-1	Toxic for reproduction (article 57c)
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)

The 14th batch of SVHC list (ECHA/PR/15/18)

Helsinki, 17 December 2015

#	Substance name	CAS number	EC number	Proposed SVHC property
164	Nitrobenzene	98-95-3	202-716-0	Toxic for reproduction (article 57c)
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	vPvB (Article 57 e)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	vPvB (Article 57 e)
167	1,3-propanesultone	1120-71-4	214-317-9	Carcinogenic (Article 57 a)
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	Toxic for reproduction (article 57c) PBT (Article 57 d)

The 15th batch of SVHC list (ECHA/PR/16/07)

Helsinki, 20 June 2016

#	Substance name	CAS number	EC number	Proposed SVHC property
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (article 57c) PBT (Article 57d) vPvB (Article 57e)

The 16th batch of SVHC list (ECHA/NA/16/38)

Helsinki, 19 December 2016

#	Substance name	CAS number	EC number	Proposed SVHC property
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	Toxic for reproduction (article 57c)
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3108-42-7 3830-45-3	206-400-3 221-470-5	Toxic for reproduction (article 57c) PBT (Article 57d)

172	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	Equivalent level of concern having probable serious effects to human health (Article 57 f)
173	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]	-	-	Equivalent level of concern having probable serious effects to human health (Article 57 f)

PAN JIT INTERNATIONAL INC.

HQA Quality System

Manager : *Daniel Chen*



Daniel Chen

2017.01.06