Semtech – REACH-*SVHC 233 - Annex* Compliance Inquiry

Dear Valued Customer, May 1, 2023

Semtech Corporation acknowledges that the European Union (EU) and United Kingdom (UK) have enacted the “REACH Regulation”, EC1907/2006 and within that regulation, Annex XIV addresses a listing of Substances of Very High Concern (SVHC) and Annex XVII which maintains a complete listing of hazardous substances along with restrictions on the manufacture and release to market of such hazardous substances. As Annex XIV continues to mature to address SVHC candidate list of substances proposed by ECHA (European Chemical Agency), and the guidelines defining protocol for the semiconductor industry are ratified, Semtech Corporation will continue to assess impact to our product, and the manufacturing processes used by our suppliers, and continue to take appropriate actions necessary to ensure compliance while maintaining the integrity of our supply chain. Part(s) listed below are not subject to EU WFD-SCIP directive.

As of the date of this letter, Semtech product, identified as pb-free, REACH and RoHS compliant, and their related processes do not intentionally use, add, contain nor exceed 0.1% weight by weight, or release any of the substances of very high concern listed in Annex XIV (referenced in the attached table) or Annex XVII substances within allowable limits and restrictions. Semtech declares that the above facts and information stated are true, correct, and complete to the best of our knowledge. This applies to the Semtech product noted below of which you expressed interest.

Part number(s): GS12341-INE3

Pursuant to our business model, Semtech Corporation does not own nor operate a fabrication facility within the EU/UK. In that regard, we do not order, maintain nor dispose of chemicals at the levels specified by the EU/UK directives governing REACH reporting and compliance. The quantities and weights of Semtech components shipped into other countries are well below the minimum weight guidelines specified in these directives.

As a result, Semtech Corporation believes that the guidelines governing REACH registration, evaluation, and authorization are not applicable to the scope of manufacturing and shipment of Semtech product.

Semtech Corporation will re-evaluate its reporting and compliance requirements as these directives are revised, or significant changes in industry guidelines are imposed.

Semtech Corporation “Thanks You” for your inquiry and looks forward to a continued and successful business relationship.

If you have any questions, do not hesitate to give me a call.

Sincerely,

Debbie Mollner
Quality Assurance Team Supervisor
Semtech Corporation
200 Flynn Road
Camarillo, CA 93012
dmollner@semtech.com
Office: (805) 498-2111

< Semtech – REACH Compliance Inquiry >

	No.	Substance name	CAS No.	EC No.	Notes
SVHC1 2008.12	1	Anthracene	120-12-7	204-371-1	
	2	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	
	3	Dibutyl phthalate	84-74-2	201-557-4	Plasticizer for PVC, etc
	4	Cobalt dichloride	7646-79-9	231-589-4	Silica gel indicator
	5	Diarsenic pentaoxide	1303-28-2	215-116-9	
	6	Diarsenic trioxide	1327-53-3	215-481-4	anti-foaming agent for glass
	7	Sodium dichromate	7789-12-0, 10588-01-9	234-190-3	
	8	5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)	81-15-2	201-329-4	
	9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	Plasticizer for PVC, etc.
	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	Brominated flame retardants
	11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	
	12	Bis(tributyltin)oxide	56-35-9	200-268-0	
	13	Lead hydrogen arsenate	7784-40-9	232-064-2	
	14	Benzyl butyl phthalate	85-68-7	201-622-7	Plasticizer for PVC, etc.
	15	Triethyl arsenate	15606-95-8	427-700-2	
SVHC2 2010.01	16	2,4-Dinitrotoluene	121-14-2	204-450-0	
	17	Anthracene oil	90640-80-5	292-602-7	
	18	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	
	19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

	20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	
	21	Anthracene oil, anthracene paste	90640-81-6	292-603-2	
	22	Diisobutyl phthalate	84-69-5	201-553-2	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 26	Lead chromate Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	7758-97-6 12656-85-8	231-846-0 235-759-9	
	27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	
	28	Acrylamide	79-06-1	201-173-7	used in waste water treatment and paper processing
	29	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	
	30	Coal tar pitch, high temperature	65996-93-2	266-028-2	
	31	Trichloroethylene	79-01-6	201-167-4	
S VHC3 2010.06	32	Boric acid	10043-35-3 / 11113-50-1	233-139-2 / 234-343-4	
	33	Disodium tetraborate,anhydrous	1330-43-4 / 12179-04-3 / 1303-96-4	215-540-4	
	34	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	
	35	Sodium chromate	7775-11-3	231-889-5	
	36	Potassium chromate	7789-00-6	232-140-5	
SVHC3 2010.06	37	Ammonium dichromate	7789-09-5	232-143-1	
	38	Potassium dichromate	7778-50-9	231-906-6	

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

SVHC4 2010.12	39	Cobalt(II) sulphate	10124-43-3	233-334-2	
	40	Cobalt(II) dinitrate	10141-05-6	233-402-1	
	41	Cobalt(II) carbonate	513-79-1	208-169-4	
	42	Cobalt(II) diacetate	71-48-7	200-755-8	
	43	2-Methoxyethanol	109-86-4	203-713-7	
	44	2-Ethoxyethanol	110-80-5	203-804-1	
	45	Chromium trioxide	1333-82-0	215-607-8	
	46	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	231-801-5,236-881-5	
SVHC5 2011.05	47	2-ethoxyethyl acetate	111-15-9	203-839-2	
	48	Strontium chromate	7789-06-2	232-142-6	
	49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	
	50	Hydrazine	7803-57-8, 302-01-2	206-114-9	
	51	1-methyl-2-pyrrolidone	872-50-4	212-828-1	
	52	1,2,3-trichloropropane	96-18-4	202-486-1	
	53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1	
SVHC 6 2011.12	54	Dichromium tris(chromate)	246-356-2	24613-89-6	
	55	Potassium hydroxyoctaoxodizincatedi-chromate	234-329-8	11103-86-9	
	56	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	
	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	203-924-4	111-96-6	

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

SVHC 6 2011.12	63	Arsenic acid	231-901-9	7778-39-4	
	64	Calcium arsenate	231-904-5	7778-44-1	
	65	Trilead diarsenate	222-979-5	3687-31-8	
	66	N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5	
	67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	
	68	Phenolphthalein	201-004-7	28376	
	69	Lead diazide	236-542-1	13424-46-9	
	70	Lead styphnate	239-290-0	15245-44-0	
	71	Lead dipicrate	229-335-2	6477-64-1	
SVHC7 2012.06	72	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	
	73	Diboron trioxide	1303-86-2	215-125-8	
	74	Formamide	'75-12-7	200-842-0	
	75	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	
	76	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)	2451-62-9	219-514-3	
	77	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	
	78	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	
	79	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	
	80	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	
	81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	
	82	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	
SVHC7 2012.06	83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	
	84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone	6786-83-0	229-851-8	

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

		(EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]			
SVHC8 2012.12	85	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	
	86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	
	87	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	
	88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] *[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]*	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	
	89	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	
	90	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	
	91	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	
	92	Lead dinitrate	10099-74-8	233-245-9	
	93	Silicic acid, lead salt	11120-22-2	234-363-3	
	94	4-Aminoazobenzene	1960-09-3	200-453-6	
	95	Lead titanium zirconium oxide	12626-81-2	235-727-4	
	96	Lead monoxide (lead oxide)	1317-36-8	215-267-0	
	97	o-Toluidine	95-53-4	202-429-0	
	98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	
	99	Silicic acid ($H_2Si_2O_5$), 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	

SVHC8 2012.12	100	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	
	101	Furan	110-00-9	203-727-3	
	102	N,N-dimethylformamide	‘1968-12-2	200-679-5	
	103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	-	
	104	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]*	-	-	
	105	4,4’-methylenedi-o-toluidine	838-88-0	212-658-8	
	106	Diethyl sulphate	64-67-5	200-589-6	
	107	Dimethyl sulphate	77-78-1	201-058-1	
	108	Lead oxide sulfate	12036-76-9	234-853-7	
	109	Lead titanium trioxide	12060-00-3	235-038-9	
	110	Acetic acid, lead salt, basic	51404-69-4	257-175-3	
	111	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	
	112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	
	113	N-methylacetamide	79-16-3	201-182-6	
	114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	
	115	1,2-Diethoxyethane	629-14-1	211-076-1	
	116	Tetralead trioxide sulphate	12202-17-4	235-380-9	
	117	N-pentyl-isopentylphthalate	776297-69-9	-	
	118	Dioxobis(icycle)trilead	12578-12-0	235-702-8	
	119	Tetraethyllead	78-00-2	201-075-4	
	120	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	
	121	Pentacosafluorotridecanoic acid	72629-94-8	276-	

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

				745-2	
	122	Tricosafluorododecanoic acid	307-55-1	206-203-2	
	123	Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	
	124	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	
	125	Methoxyacetic acid	625-45-6	210-894-6	
	126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	
	127	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	
	128	Trilead dioxide phosphonate	12141-20-7	235-252-2	
	129	o-aminoazotoluene	97-56-3	202-591-2	
	130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	
	131	4,4'-oxydianiline and its salts	101-80-4	202-977-0	
	132	Orange lead (lead tetroxide)	1314-41-6	215-235-6	
	133	Biphenyl-4-ylamine	92-67-1	202-177-1	
	134	Diisopentylphthalate	605-50-5	210-088-4	
	135	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	
	136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	
	137	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	
	138	Lead cyanamidate	20837-86-9	244-073-9	
SVHC9 2013.06	139	Cadmium	7440-43-9	231-152-8	
	140	Cadmium oxide	1306-19-0	215-146-2	
	141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	
	142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-	

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

				397-9	
	143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	
	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	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 57 c)
	149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	Toxic for reproduction (Article 57 c)
	150	Lead di(acetate)	301-04-2	206-104-4	Toxic for reproduction (Article 57 c)
	151	Trixylyl phosphate	25155-23-1	246-677-8	Toxic for reproduction (Article 57 c)
	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	Toxic for reproduction (Article 57 c)
	153	Sodium perborate; perboric acid, sodium salt	-	239-172-9; 234-390-0	Toxic for reproduction (Article 57 c)

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

SVHC11 2014.6	154	Sodium peroxometaborat	7632-04-4	231-556-4	Toxic for reproduction (Article 57 c)
	155	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)
SVHC12 2014.12	156	2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	223-346-6	PBT (Article 57d); vPvB (Article 57e)
	157	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 57 c)

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

SVHC12 2014.12	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)	25973-55-1	247-384-8	PBT (Article 57d); vPvB (Article 57e)
	160	Cadmium fluoride	7790-79-6	232-222-0	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic forreproduction (Article 57 c); Equivalent levelof concern having probable seriouseffects to human health (Article 57f)
SVHC 13	161	Cadmium sulphate	10124-36-4, 31119-53-6	233-331-6	Carcinogenic (Article 57 a);

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

2015.07					Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c) Equivalent level of concern having probable serious effects to human health (Article 57f)
	162	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5	271-094-0	
	163	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1	272-013-1	
SVHC 14 2015.12	164	1,3-propanesultone	1120-71-4	214-317-9	Carcinogenic (Article 57 a)
	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	Nitrobenzene	98-95-3	202-716-0	Toxic for reproduction (Article 57 c)
	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 57 c) PBT (Article 57 d)
SVHC 15 2016.06	169	Benzo[def]chrysene	50-32-8	200-028-5	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) PBT (Article 57 d) vPvB (Article 57 e)
SVHC 16 2017.01	170	4,4’-isopropylidenediphenol	80-05-7	201-245-8	Toxic for reproduction (Article 57c)

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

	171	4-Heptylphenol, branched and linear	-	-	Equivalent level of concern having probable serious effects to environment (Article 57 f)
	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2	206-400-3	Toxic for reproduction (Article 57c) PBT (Article 57 d)
	173	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	Equivalent level of concern having probable serious effects to environment (Article 57 f)
	174	Perfluorohexane-1-sulphonic acid and its salts	355-46-4	206-587-1	vPvB (Article 57e)
SVHC 18 2018.01	175	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 (4-HPbl)	-	-	Endocrine disrupting properties (Article 57(f) – environment)
	176	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	-	-	vPvB (Article 57e)

SVHC 18 2018.01	176	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	-	-	vPvB (Article 57e)
	177	Chrysene	205-923-4	218-01-9, 1719-03-5	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
	178	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) – human health)

	179	Cadmium hydroxide	244-168-5	21041-95-2	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) – human health)
SVHC 18 2018.01	180	Cadmium carbonate	208-168-9	513-78-0	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) – human health)
	181	Benz[a]anthracene	200-280-6	56-55-3, 1718-53-2	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article
SVHC 19 2018.06	182	Terphenyl, hydrogenated	61788-32-7	262-967-7	vPvB (Article 57e)
	183	Octamethylcyclotetrasiloxane	556-67-2	209-136-7	PBT (Article 57d)#vPvB (Article 57e)
	184	Lead	7439-92-1	231-100-4	Toxic for reproduction (Article 57c)

	185	Ethylenediamine	107-15-3	203-468-6	Respiratory icycleing properties (Article 57(f) – human health)
	186	Dodecamethylcyclohexasiloxane	540-97-6	208-762-8	PBT (Article 57d)#vPvB (Article 57e)
	187	Disodium octaborate	12008-41-2	234-541-0	Toxic for reproduction (Article 57c)
SVHC 19 2018.06	188	Dicyclohexyl phthalate	84-61-7	201-545-9	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) – human health)
SVHC 20 2019.01	189	Decamethylcyclopentasiloxane	541-02-6	208-764-9	PBT (Article 57d)#vPvB (Article 57e)
	190	Benzo[ghi]perylene	191-24-2	205-883-8	PBT (Article 57d)#vPvB (Article 57e)
	191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7	209-008-0	Respiratory icycleing properties (Article 57(f) – human health)
	192	Pyrene	129-00-0; 1718-52-1	204-927-3	PBT (Article 57d)#vPvB (Article 57e)
	193	Phenanthrene	85-01-8	201-581-5	vPvB (Article 57e)

	194	Fluoranthene	206-44-0; 93951-69-0	205-912-4	PBT (Article 57d)#vPvB (Article 57e)
	195	Benzo[k]fluoranthene	207-08-9	205-916-6	Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)

SVHC 20 2019.01	196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	Toxic for reproduction (Article 57c)
	197	1,7,7-trimethyl-3-(phenylmethylene)icycle[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC)	15087-24-8	239-139-9	Endocrine disrupting properties (Article 57(f) – environment)
SVHC 21 2019.07	198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Endocrine disrupting properties (Article 57(f) – environment)
	199	4-tert-butylphenol	98-54-4	202-679-0	Endocrine disrupting properties (Article 57(f) – environment)

	200	2-methoxyethyl acetate	110-49-6	203-772-9	Toxic for reproduction (Article 57c)
	201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	-	Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) – environment)
SVHC 22 2020.01	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	Toxic for reproduction (Article 57c)
	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	Toxic for reproduction (Article 57c)
	204	Diisohexyl phthalate	71850-09-4	276-090-2	Toxic for reproduction (Article 57c)
	205	Perfluorobutane sulfonic acid (PFBS) and its salts	375-73-5	-	Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health)#Equivalent level of concern having probable serious effects to

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

					the environment (Article 57(f) – environment)
SVHC 23 2020.06	206	1-vinylimidazole	1072-63-5	214-012-0	Toxic for reproduction (Article 57c)
	207	2-methylimidazole	693-98-1	211-765-7	Toxic for reproduction (Article 57c)
SVHC 23 2020.06	208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	Endocrine disrupting properties (Article 57(f) - human health)

SVHC 24 2021.01	209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	Toxic for reproduction (Article 57c)
	210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	205-594-7	Toxic for reproduction (Article 57c)

SVHC 24 2021.01	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety Dioctyltin dilaurate EC No.: 222-883-3 | CAS No.: 3648-18-8 dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. EC No.: - | CAS No.: - Stannane, dioctyl-, bis(coco acyloxy) derivs. EC No.: 293-901-5 | CAS No.: 91648-39-4	-	-	Toxic for reproduction (Article 57c)
SVHC 25 2021.07	212	1,4-dioxane	123-91-1	204-661-8	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111

SVHC 25 2021.07	213	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) 2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA) EC No.: 253-057-0 | CAS No.: 36483-57-5 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) EC No.: - | CAS No.: 1522-92-5 2,2-bis(bromomethyl)propane-1,3-diol (BMP) EC No.: 221-967-7 | CAS No.: 3296-90-0 2,3-dibromo-1-propanol (2,3-DBPA) EC No.: 202-480-9 | CAS No.: 96-13-9	-	-	Carcinogenic (Article 57a)
	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers (2R)-3-(4-tert-butylphenyl)-2-methylpropanal EC No.: - | CAS No.: 75166-31-3 2-(4-tert-butylbenzyl)propionaldehyde EC No.: 201-289-8 | CAS No.: 80-54-6 (2S)-3-(4-tert-butylphenyl)-2-methylpropanal EC No.: - | CAS No.: 75166-30-2	-	-	Toxic for reproduction (Article 57c)
	215	4,4'-(1-methylpropylidene)bisphenol	77-40-7	201-025-1	Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)

SVHC 25 2021.07	216	glutaral	111-30-8	203-856-5	Respiratory sensitising properties (Article 57(f) - human health)
	217	Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17 Alkanes, C14-16, chloro EC No.: - | CAS No.: 1372804-76-6 Alkanes, C14-17, chloro EC No.: 287-477-0 | CAS No.: 85535-85-9 di-, tri- and tetrachlorotetradecane EC No.: 950-299-5 | CAS No.: - Tetradecane, chloro derivs. EC No.: - | CAS No.: 198840-65-2	-	-	PBT (Article 57d) vPvB (Article 57e)

SVHC 25 2021.07	218	orthoboric acid, sodium salt boric acid (H3BO3), sodium salt, hydrate EC No.: - | CAS No.: 25747-83-5 Boric acid (H3BO3), disodium salt EC No.: - | CAS No.: 22454-04-2 Trisodium orthoborate EC No.: 238-253-6 | CAS No.: 14312-40-4 Boric acid, sodium salt EC No.: 215-604-1 | CAS No.: 1333-73-9 Orthoboric acid, sodium salt EC No.: 237-560-2 | CAS No.: 13840-56-7 Boric acid (H3BO3), sodium salt (1:1) EC No.: - | CAS No.: 14890-53-0	-	-	Toxic for reproduction (Article 57c)
	219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) Phenol, dodecyl-, branched EC No.: 310-154-3 | CAS No.: 121158-58-5 Phenol, (tetrapropenyl) derivatives EC No.: - | CAS No.: 74499-35-7 Phenol, 4-dodecyl, branched EC No.: - | CAS No.: 210555-94-5 4-isododecylphenol EC No.: - | CAS No.: 27459-10-5 Phenol, tetrapropylene- EC No.: - | CAS No.: 57427-55-1 Phenol, 4-isododecyl- EC No.: - | CAS No.: 27147-75-7	-	-	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)

SVHC 26 2022.01	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - | CAS No.: 1782069-81-1 (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - | CAS No.: 95342-41-9 (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - | CAS No.: 852541-25-4 (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one EC No.: 253-242-6 | CAS No.: 36861-47-9 (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - | CAS No.: 741687-98-9 (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - | CAS No.: 852541-30-1 (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - | CAS No.: 852541-21-0	-	-	Endocrine disrupting properties (Article 57(f) - human health)
	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	204-327-1	Toxic for reproduction (Article 57c)
	222	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate X4261	255881-94-8	401-850-9	PBT (Article 57d)
	223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	Toxic for reproduction (Article 57c)

SVHC 27 2022.06	224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	Carcinogenic (Article 57a) Mutagenic (Article 57b)
SVHC 28 2023.01	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3	vPvB (Article 57e)
	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9	Carcinogenic (Article 57a)
	227	4,4'-sulphonyldiphenol	80-09-1	201-250-5	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
	228	Barium diboron tetraoxide	13701-59-2	237-222-4	Toxic for reproduction (Article 57c)

SVHC 28 2023.01	229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof Bis(2-ethylhexyl) tetrabromophthalate - EC No. 247-426-5 / CAS No. 26040-51-7	-	-	vPvB (Article 57e)
	230	Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	Endocrine disrupting properties (Article 57(f) - human health)
	231	Melamine	108-78-1	203-615-4	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
	232	Perfluoroheptanoic acid and its salts Ammonium perfluoroheptanoate EC No. 228-098-2 / CAS No. 6130-43-4 potassium perfluoroheptanoate EC No. - / CAS No. 21049-36-5 Perfluoroheptanoic acid EC No. 206-798-9 / CAS No.: 375-85-9 Sodium perfluoroheptanoate EC No. 243-518-4 / CAS No. 20109-59-5.	-	-	Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
SVHC 28 2023.01	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	473-390-7	vPvB (Article 57e)

Semtech Corporation • 200 Flynn Road • Camarillo • Ca • 93012 • Phone (805) 498-2111