

## Declaration letter of EU REACH\_SVHC

The REACH (Registration, Evaluation and Authorisation of Chemicals) regulation

We hereby declare and guarantee that any product/part provided will be complied with EU REACH Regulation with below schedule.

And we will take all appropriate actions to comply with the below requirements:

### 1. Item

EDLC(Electric Double-Layer Capacitor)



### 2. REACH\_SVHC List

Please check to attached File

### 3. Requirements

- 3-1. There is no intended release during normal or reasonably foreseeable conditions of use of our product/part supplied
- 3-2. Our product/part doesn't contain any SVHC (Substances of Very High Concern) substances above 0.1% by weight of the whole product/part.
- 3-3. We will provide enough information of SVHC substances within 21 days if requested.

### 4. Supplier's information

Company / Manufacture Name	Pureechem co., Ltd
Company stamp	
Address	151-35, Namseok-ro, Nami-myeon, Seowon-gu, Cheongju-si, Chungcheong buk-do
Responsible staff	Mr. K.W.Koo
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Signature	
Reply date (YYYY/MM/DD)	2022-02-18

# REACH\_SVHC LIST

DATE	No	Substances	CAS No.	EC No.	Reason
2008-10	1	Lead hydrogen arsenate	7784-40-9	232-064-2	Carcinogenic toxic for reproduction
	2	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	Toxic for reproduction
	3	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	Toxic for reproduction
	4	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	vPvB
	5	Diarsenic trioxide	1327-53-3	215-481-4	Carcinogenic
	6	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	PBT
	7	Triethyl arsenate	15606-95-8	427-700-2	Carcinogenic
	8	Diarsenic pentaoxide	1303-28-2	215-116-9	Carcinogenic
	9	Sodium dichromate	7789-12-0 10588-01-9	234-190-3	Carcinogenic mutagenic toxic for reproduction
	10	Dibutyl phthalate (DBP)	84-74-2	201-557-4	Toxic for reproduction
	11	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	Carcinogenic
	12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	PBT and vPvB
	13	Anthracene	120-12-7	204-371-1	PBT
	14	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified : Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4 3194-55-6	247-148-4 221-695-9	PBT
2010-01	15	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	Carcinogenic toxic for reproduction
	16	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	Carcinogenic toxic for reproduction
	17	Anthracene oil	90640-80-5	292-602-7	Carcinogenic1 PBT and vPvB
	18	2,4-Dinitrotoluene	121-14-2	204-450-0	Carcinogenic
	19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	Carcinogenic2 mutagenic3 PBT and vPvB
	20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	Carcinogenic2 mutagenic3 PBT, vPvB
	21	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	Toxic for reproduction
	22	Diisobutyl phthalate	84-69-5	201-553-2	Toxic for reproduction
	23	Lead chromate	7758-97-6	231-846-0	Carcinogenic toxic for reproduction
	24	Anthracene oil, anthracene paste	90640-81-6	292-603-2	Carcinogenic2 mutagenic3 PBT , vPvB
	25	Pitch, coal tar, high temp.	65996-93-2	266-028-2	Carcinogenic PBT, vPvB
	26	Anthracene oil, anthracene paste, distn. lights	91995-17-4	295-278-5	Carcinogenic2 mutagenic3 PBT, vPvB
2010-03	27	Acrylamide	79-06-1	201-173-7	Carcinogenic, mutagenic
2010-06	28	Trichloroethylene	79-01-6	201-167-4	Carcinogenic
	29	Potassium dichromate	7778-50-9	231-906-6	Carcinogenic, mutagenic, toxic for reproduction
	30	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	Toxic for reproduction
	31	Ammonium dichromate	7789-09-5	232-143-1	Carcinogenic, mutagenic, toxic for reproduction
	32	Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	Toxic for reproduction
	33	Sodium chromate	7775-11-3	231-889-5	Carcinogenic, mutagenic, toxic for reproduction
	34	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	215-540-4	Toxic for reproduction
	35	Potassium chromate	7789-00-6	232-140-5	Carcinogenic, mutagenic
2010-12	36	Cobalt(II) diacetate	71-48-7	200-755-8	Carcinogenic, toxic for reproduction
	37	Cobalt(II) sulphate	10124-43-3	233-334-2	Carcinogenic toxic for reproduction
	38	2-Ethoxyethanol	110-80-5	203-804-1	Toxic for reproduction
	39	Acids generated from chromium trioxide and their oligomers. Names of the acids 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	Carcinogenic
	40	2-Methoxyethanol	109-86-4	203-713-7	Toxic for reproduction
	41	Chromium trioxide	1333-82-0	215-607-8	Carcinogenic, mutagenic
	42	Cobalt(II) carbonate	513-79-1	208-169-4	Carcinogenic toxic for reproduction
	43	Cobalt(II) dinitrate	10141-05-6	233-402-1	Carcinogenic toxic for reproduction

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	No	Substances	CAS No.	EC No.	Reason
2011-06	44	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	Toxic for reproduction
	45	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	Toxic for reproduction
	46	Strontium chromate	7789-06-2	232-142-6	Carcinogenic
	47	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	Toxic for reproduction
	48	1,2,3-Trichloropropane	96-18-4	202-486-1	Carcinogenic toxic for reproduction
	49	2-Ethoxyethyl acetate	111-15-9	203-839-2	Toxic for reproduction
	50	Hydrazine	302-01-2 7803-57-8	206-114-9	Carcinogenic
	51	Cobalt dichloride	7646-79-9	231-589-4	Carcinogenic toxic for reproduction
2011-12	52	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	Equivalent level of concern having probable serious effects to the environment
	53	N,N-dimethylacetamide	127-19-5	204-826-4	Toxic for reproduction
	54	Phenolphthalein	77-09-8	201-004-7	Carcinogenic
	55	Lead diazide, Lead azide	13424-46-9	236-542-1	Toxic for reproduction
	56	Lead dipicrate	6477-64-1	229-335-2	Toxic for reproduction
	57	1,2-dichloroethane	107-06-2	203-458-1	Carcinogenic
	58	Calcium arsenate	7778-44-1	231-904-5	Carcinogenic
	59	Dichromium tris(chromate)	24613-89-6	246-356-2	Carcinogenic
	60	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	Carcinogenic
	61	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	Carcinogenic
	62	Arsenic acid	7778-39-4	231-901-9	Carcinogenic
	63	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	Carcinogenic
	64	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	Carcinogenic
	65	Lead styphnate	15245-44-0	239-290-0	Toxic for reproduction
	66	Trilead diarsenate	3687-31-8	222-979-5	Carcinogenic toxic for reproduction
	67	Zirconia Aluminosilicate Refractory Ceramic Fibres	-	-	Carcinogenic
	68	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	Toxic for reproduction
	69	Aluminosilicate Refractory Ceramic Fibres	-	-	Carcinogenic
	70	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	Toxic for reproduction
	71	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	Carcinogenic
2012-06	72	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ 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
	73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	Carcinogenic
	74	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)	59653-74-6	423-400-0	Mutagenic
	75	Diboron trioxide	1303-86-2	215-125-8	Toxic for reproduction
	76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	Toxic for reproduction
		4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ 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
	78	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	Toxic for reproduction
	79	Formamide	75-12-7	200-842-0	Toxic for reproduction
	80	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammoniumchloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ 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
	81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	Toxic for reproduction
	82	[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
	83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)	2451-62-9	219-514-3	Mutagenic
	84	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	Carcinogenic
2012-12	85	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	Toxic for reproduction
	86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	Carcinogenic
	87	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	vPvB
	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	Equivalent level of concern having probable serious effects to human health
	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	Equivalent level of concern having probable serious effects to human health

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	No	Substances	CAS No.	EC No.	Reason
2012-12	90	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	Toxic for reproduction
	91	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	Toxic for reproduction
	92	Lead dinitrate	10099-74-8	233-245-9	Toxic for reproduction
	93	Silicic acid, lead salt	11120-22-2	234-363-3	Toxic for reproduction
	94	4-Aminoazobenzene	60-09-3	200-453-6	Carcinogenic
	95	Lead titanium zirconium oxide	12626-81-2	235-727-4	Toxic for reproduction
	96	Lead monoxide (lead oxide)	1317-36-8	215-267-0	Toxic for reproduction
	97	o-Toluidine	95-53-4	202-429-0	Carcinogenic
	98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	Toxic for reproduction
	99	Silicic acid (H <sub>2</sub> SiO <sub>5</sub> ), barium salt (1:1), lead-doped	68784-75-8	272-271-5	Toxic for reproduction
	100	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	Toxic for reproduction
	101	Furan	110-00-9	203-727-3	Carcinogenic
	102	N,N-dimethylformamide	68-12-2	200-679-5	Toxic for reproduction
	103	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
	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]	-	-	Equivalent level of concern having probable serious effects to the environment
	105	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	Carcinogenic
	106	Diethyl sulphate	64-67-5	200-589-6	Carcinogenic
	107	Dimethyl sulphate	77-78-1	201-058-1	Carcinogenic
	108	Lead oxide sulfate	12036-76-9	234-853-7	Toxic for reproduction
	109	Lead titanium trioxide	12060-00-3	235-038-9	Toxic for reproduction
	110	Acetic acid, lead salt, basic	51404-69-4	257-175-3	Toxic for reproduction
	111	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	Toxic for reproduction
	112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	PBT
	113	N-methylacetamide	79-16-3	201-182-6	Toxic for reproduction
	114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	Toxic for reproduction
	115	1,2-Diethoxyethane	629-14-1	211-076-1	Toxic for reproduction
	116	Tetralead trioxide sulphate	12202-17-4	235-380-9	Toxic for reproduction
	117	N-pentyl-isopentylphthalate	776297-69-9	-	Toxic for reproduction
	118	Dioxobis(stearato)trilead	12578-12-0	235-702-8	Toxic for reproduction
	119	Tetraethyllead	78-00-2	201-075-4	Toxic for reproduction
	120	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	Toxic for reproduction
	121	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	vPvB
	122	Tricosafuorododecanoic acid	307-55-1	206-203-2	vPvB
	123	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	vPvB
	124	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	Toxic for reproduction
	125	Methoxyacetic acid	625-45-6	210-894-6	Toxic for reproduction
	126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	Carcinogenic
	127	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	Carcinogenic
	128	Trilead dioxide phosphonate	12141-20-7	235-252-2	Toxic for reproduction
	129	o-aminoazotoluene	97-56-3	202-591-2	Carcinogenic
	130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	Toxic for reproduction
	131	4,4'-oxydianiline and its salts	101-80-4	202-977-0	Carcinogenic
	132	Orange lead (lead tetroxide)	1314-41-6	215-235-6	Toxic for reproduction
	133	Biphenyl-4-ylamine	92-67-1	202-177-1	Carcinogenic
	134	Diisopentylphthalate	605-50-5	210-088-4	Toxic for reproduction
	135	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	Toxic for reproduction
	136	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
	137	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	Toxic for reproduction
	138	Lead cyanamidate	20837-86-9	244-073-9	Toxic for reproduction
2013-06	139	Cadmium	7440-43-9	231-152-8	Carcinogenic
	140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	Toxic for reproduction
	141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	Toxic for reproduction
	142	Dipentyl phthalate (DPP)	131-18-0	205-017-9	Toxic for reproduction
	143	4-Nonylphenol, branched and linear,ethoxylated	-	-	Equivalent level of concern having probable serious effects to the environment
2013-12	144	Cadmium oxide	1306-19-0	215-146-2	Carcinogenic
	145	Cadmium sulphide	1306-23-6	215-147-8	Carcinogenic
	146	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
	147	Diethyl phthalate	84-75-3	201-559-5	Toxic for reproduction
	148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9	Toxic for reproduction
	149	Triethyl phosphate	25155-23-1	246-677-8	Toxic for reproduction
	150	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
	151	Lead di(acetate)	301-04-2	206-104-4	Toxic for reproduction

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	No	Substances	CAS No.	EC No.	Reason
2014-06	152	Sodium peroxometaborate	7632-04-4	231-556-4	Toxic for Reproduction
	153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	Toxic for Reproduction
	154	Cadmium chloride	10108-64-2	233-296-7	CMR
	155	Sodium perborate; Perboric acid, sodium salt	-	239-172-9 234-390-0	Toxic for Reproduction
2014-12	156	Cadmium fluoride	7790-79-6	232-222-0	Carcinogenic Mutagenic Toxic for reproduction
	157	Cadmium sulphate	10124-36-4; 3111	233-331-6	Carcinogenic Mutagenic Toxic for reproduction
	158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	PBT vPvB
	159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	PBT vPvB
	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
	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
2015-06	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)	271-094-0 272-013-1	271-094-0 272-013-1	Toxic for reproduction
	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
2015-12	164	Nitrobenzene	98-95-3	202-716-0	Toxic for reproduction
	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol ( UV-327)	3864-99-1	223-383-3	vPvB
	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	vPvB
	167	1,3-propanesultone	1120-71-4	214-317-9	Carcinogenic
	169	Perfluorononan-1-oic-acid and its sodium and ammonium saltspropanesultone	375-95-1 21049-39-8 4149-60-4	206-801-3	Toxic for reproduction PBT
2016-06	169	Benzo[def]chrysene	50-32-8	200-028-5	Carcinogenic MutagenicToxic for reproduction PBT vPvB
2017-01	170	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	Equivalent level of concern having probable serious effects to environment
	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 PBT
	172	4-Heptylphenol, branched and linear	-	-	Equivalent level of concern having probable serious effects to environment
	173	4,4'-isopropylidenediphenol	80-05-7	201-245-8	Toxic for reproduction
2017-07	174	Perfluorohexane-1-sulphonic acid and its salts	-	-	vPvB
2018-01	175	Benz[a]anthracene	56-55-3 1718-53-2	200-280-6	Carcinogenic PBT vPvB
	176	Cadmium carbonate	513-78-0	208-168-9	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure
	177	Cadmium hydroxide	21041-95-2	244-168-5	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure
	178	Cadmium nitrate	10022-68-1 10325-94-7	233-710-6	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure
	179	Chrysene	218-01-9 1719-03-5	205-923-4	Carcinogenic PBT vPvB
	180	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	-	-	vPvB
	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	Endocrine disrupting properties

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	No	Substances	CAS No.	EC No.	Reason
2018-06	182	Benzo[ghi]perylene	191-24-2	205-883-8	PBT, vPvB
	183	Decamethylcyclotrasiloxane (D5)	541-02-6	208-764-9	PBT, vPvB
	184	Disodium octaborate	12008-41-2	234-541-0	Toxic for reproduction
	185	Dodecamethylcyclotetrasiloxane(D6)	540-97-6	208-762-8	PBT, vPvB
	186	Ethylenediamine	107-15-3	203-468-6	Respiratory sensitising properties
	187	Lead	7439-92-1	231-100-4	Toxic for reproduction
	188	Octamethylcyclotetrasiloxane(D4)	556-67-2	209-136-7	PBT, vPvB
	189	Terphenyl, hydrogenated	61788-32-7	262-967-7	vPvB
	190	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	Toxic for reproduction, Endocrine disrupting properties
	191	benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)(TMA)	552-30-7	209-008-0	Respiratory sensitising properties
2019-01	192	Pyrene	129-00-0; 1718-52-1	204-927-3	PBT, vPvB
	193	Phenanthrene	85-01-8	201-581-5	vPvB
	194	Fluoranthene	206-44-0; 93951-69-0	205-912-4	PBT, vPvB
	195	Benzo[k]fluoranthene	207-08-9	205-916-6	Carcinogenic, PBT, vPvB
	196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	Toxic for reproduction
	197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC)	15087-24-8	239-139-9	Endocrine disrupting properties
	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)
2019-07	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 covering any of their individual isomers and combinations thereof	-	-	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)
	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	Toxic for reproduction (Article 57c)
2020-01	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	-	-	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)
	206	1-vinylimidazole	1072-63-5	214-012-0	Toxic for reproduction (Article 57c)
2020-06	207	2-methylimidazole	693-98-1	211-765-7	Toxic for reproduction (Article 57c)
	208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	Endocrine disrupting properties (Article 57(f) - human health)
	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)
2021-01	211	Diocetyl tin 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	-	-	Toxic for reproduction (Article 57c)
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)
	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)	-	-	Carcinogenic (Article 57a)

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	No	Substances	CAS No.	EC No.	Reason
2021-07	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	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)
	216	glutaral	111-30-8	203-856-5	Respiratory sensitising properties (Article 57(f) - human health)
	217	Medium-chain chlorinated paraffins (MCCP)	-	-	PBT (Article 57d) vPvB (Article 57e)
	218	Orthoboric acid, sodium salt (group)	-	-	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)	-	-	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
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)	-	-	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 <sup>2,6</sup> )deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	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)