

January 20, 2024

To whom it may concern :

## REACH SVHC Candidate List (1<sup>st</sup>-22<sup>nd</sup>)

Regarding Polyplastics Products sold under DURACON<sup>®</sup> POM, TEPCON<sup>®</sup> POM, DURANEX<sup>®</sup> PBT, FR-PET<sup>®</sup> GF-PET, DURAFIDE<sup>®</sup> PPS, LAPEROS<sup>®</sup> LCP and TOPAS<sup>®</sup> COC

We confirm that the intentional composition of the above mentioned products do not contain more than 0.1% of the following substances except for DURACON<sup>®</sup> POM GC-25, GB-12 and GB-25, and DURANEX<sup>®</sup> PBT 2002U:

	No	Substance name	CAS number	EC number
1st	1	Anthracene	120-12-7	204-371-1
	2	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4
	3	Dibutyl phthalate (DBP)	84-74-2	201-557-4
	4	Cobalt dichloride	7646-79-9	231-589-4
	5	Diarsenic pentaoxide	1303-28-2	215-116-9
	6	Diarsenic trioxide	1327-53-3	215-481-4
	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
	10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	247-148-4 221-695-9
	11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5
	12	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0
	13	Lead hydrogen arsenate	7784-40-9	232-064-2
	14	Triethyl arsenate	15606-95-8	427-700-2
	15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7
2nd	1	Anthracene oil	90640-80-5	292-602-7
	2	Anthracene oil, anthracene paste, distn.light	91995-17-4	295-278-5
	3	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9
	4	Anthracene oil, anthracene-low	90640-82-7	292-604-8
	5	Anthracene oil, anthracene paste	90640-81-6	292-603-2
	6	Pitch coal tar, high temperature	65996-93-2	266-028-2
	7	Acrylamide	79-06-1	201-173-7

	8	2,4-Dinitrotoluene	121-14-2	204-450-0
	9	Diisobuthyl phthalate	84-69-5	201-553-2
	10	Lead chromate	7758-97-6	231-846-0
	11	Lead chromate molybdate sulfate red (C.I.Pigment Red 104)	12656-85-8	235-759-9
	12	Lead sulfochromate yellow(C.I.Pigment Yellow 34)	1344-37-2	215-693-7
	13	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5
3rd	1	Trichloroethylene	79-01-6	201-167-4
	2	Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4
	3	Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4	215-540-4
	4	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3
	5	Sodium chromate	7775-11-3	231-889-5
	6	Potassium chromate	7789-00-6	232-140-5
	7	Ammonium dichromate	7789-09-5	232-143-1
	8	Potassium dichromate	7778-50-9	231-906-6
4th	1	Cobalt (II) sulphate	10124-43-3	233-334-2
	2	Cobalt (II) dinitrate	10141-05-6	233-402-1
	3	Cobalt (II) carbonate	513-79-1	208-169-4
	4	Cobalt (II) diacetate	71-48-7	200-755-8
	5	2-Methoxyethanol	109-86-4	203-713-7
	6	2-Ethoxyethanol	110-80-5	203-804-1
	7	Chromium trioxide	1333-82-0	215-607-8
	8	Acid 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 -
5th	1	2-Ethoxyethyl acetate	111-15-9	203-839-2
	2	Strontium chromate	7789-06-2	232-142-6
	3	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6
	4	Hydrazine	7803-57-8 302-01-2	206-114-9
	5	1-Methyl-2-pyrrolidone (NMP)	872-50-4	212-828-1
	6	1,2,3-trichloropropane	96-18-4	202-486-1
	7	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1
6th	1	Dichromium tris(chromate)	24613-89-6	246-356-2
	2	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8
	3	Pentazinc chromate octahydroxide	49663-84-5	256-418-0

4	Aluminosilicate Refractory Ceramic Fibres(RCF) are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-
5	Zirconia Aluminosilicate Refractory Ceramic Fibres(Zr-RCF) are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-
6	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1
7	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6
8	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1
9	4-(1,1,3,3-tetramethylbutyl) phenol	140-66-9	205-426-2
10	1,2-Dichloroethane	107-06-2	203-458-1
11	Bis(2-methoxyethyl) ether	111-96-6	203-924-4
12	Arsenic acid	7778-39-4	231-901-9
13	Calcium arsenate	7778-44-1	231-904-5
14	Trilead diarsenate	3687-31-8	222-979-5
15	N,N-dimethylacetamide	127-19-5	204-826-4
16	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9

	17	Phenolphthalein	77-09-8	201-004-7
	18	Lead diazide, Lead azide	13424-46-9	236-542-1
	19	Lead styphnate	15245-44-0	239-290-0
	20	Lead dipicrate	6477-64-1	229-335-2
7th	1	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3
	2	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9
	3	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
	4	4,4'-bis(dimethylamino)benzophenone (Michler's Ketone)	90-94-8	202-027-5
	5	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (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
	6	[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
	7	Diboron trioxide	1303-86-2	215-125-8
	8	Formamide	75-12-7	200-842-0
	9	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5
	10	N,N,N',N'-tetramethyl-4,4'-methylenedi aniline (Michler's base)	101-61-1	202-959-2
	11	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)	2451-62-9	219-514-3
	12	$\alpha,\alpha$ -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
	13	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
8th	1	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	214-604-9
	2	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2
	3	Tricosafuorododecanoic acid	307-55-1	206-203-2
	4	Henicosafuoroundecanoic acid	2058-94-8	218-165-4
	5	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4

6	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-
7	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]	-	-
8	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	204-650-8
9	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
10	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
11	Methoxyacetic acid	625-45-6	210-894-6
12	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2
13	Diisopentylphthalate	605-50-5	210-088-4
14	N-pentyl-isopentylphthalate	776297-69-9	-
15	1,2-Diethoxyethane	629-14-1	211-076-1
16	N,N-dimethylformamide	68-12-2	200-679-5
17	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0
18	Acetic acid, lead salt, basic	51404-69-4	257-175-3
19	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6
20	Lead oxide sulfate	12036-76-9	234-853-7
21	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5
22	Dioxobis(stearato)trilead	12578-12-0	235-702-8
23	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7
24	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0
25	Lead cyanamidate	20837-86-9	244-073-9
26	Lead dinitrate	10099-74-8	233-245-9

	27	Lead monoxide (lead oxide)	1317-36-8	215-267-0
	28	Orange lead (lead tetroxide)	1314-41-6	215-235-6
	29	Lead titanium trioxide	12060-00-3	235-038-9
	30	Lead Titanium Zirconium Oxide	12626-81-2	235-727-4
	31	Pentalead tetraoxide sulphate	12065-90-6	235-067-7
	32	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1
	33	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), 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
	34	Silicic acid, lead salt	11120-22-2	234-363-3
	35	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1
	36	Tetraethyllead	78-00-2	201-075-4
	37	Tetralead trioxide sulphate	12202-17-4	235-380-9
	38	Trilead dioxide phosphonate	12141-20-7	235-252-2
	39	Furan	110-00-9	203-727-3
	40	Methyloxirane (Propylene oxide)	75-56-9	200-879-2
	41	Diethyl sulphate	64-67-5	200-589-6
	42	Dimethyl sulphate	77-78-1	201-058-1
	43	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7
	44	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7
	45	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8
	46	4,4'-oxydianiline and its salts	101-80-4	202-977-0
	47	4-Aminoazobenzene	60-09-3	200-453-6
	48	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1
	49	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1
	50	Biphenyl-4-ylamine	92-67-1	202-177-1
	51	o-aminoazotoluene	97-56-3	202-591-2
	52	o-Toluidine	95-53-4	202-429-0
	53	N-methylacetamide	79-16-3	201-182-6
	54	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0
9th	1	Cadmium	7440-43-9	231-152-8
	2	Cadmium oxide	1306-19-0	215-146-2
	3	Dipentyl phthalate (DPP)	131-18-0	205-017-9
	4	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]		
	5	Ammoniumpentadecafluorootanoate (APFO)	3825-26-1	223-320-4
	6	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9
10th	1	Cadmium sulphide	1306-23-6	215-147-8
	2	Dihexyl phthalate	84-75-3	201-559-5
	3	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
	4	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
	5	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9
	6	Lead di(acetate)	301-04-2	206-104-4
	7	Trixylyl phosphate	25155-23-1	246-677-8
11th	1	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5
	2	Cadmium chloride	10108-64-2	233-296-7
	3	Sodium perborate; perboric acid, sodium salt	-	239-172-9 234-390-0
	4	Sodium peroxometaborate	7632-04-4	231-556-4
12th	1	Cadmium fluoride	7790-79-6	232-222-0
	2	Cadmium sulphate	10124-36-4 31119-53-6	233-331-6
	3	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6
	4	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8
	5	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4
	6	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)	-	-
13th	1	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	271-094-0 272-013-1

	2	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]	-	-
14th	1	1,3-propanesultone	1120-71-4	214-317-9
	2	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8
	3	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1
	4	Nitrobenzene	98-95-3	202-716-0
	5	Perfluorononan-1-oic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3
15th	1	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5
16th	1	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8
	2	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]	-	-
	3	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	- 206-400-3 221-470-5
	4	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9
17th	1	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-
18th	1	Benz[a]anthracene	56-55-3 1718-53-2	200-280-6
	2	Cadmium carbonate	513-78-0	208-168-9
	3	Cadmium hydroxide	21041-95-2	244-168-5
	4	Cadmium nitrate	10022-68-1 10325-94-7	233-710-6
	5	Chrysene	218-01-9 1719-03-5	205-923-4
	6	Dodecachloropentacyclo[12.2.1.16,9.0 2,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> ) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-

	7	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq$ 0.1% w/w 4-heptylphenol, branched and linear(4-HPbl)]	-	-
19th	1	Benzo[ghi]perylene	191-24-2	205-883-8
	2	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9
	3	Disodium octaborate	12008-41-2	234-541-0
	4	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8
	5	Ethylenediamine (EDA)	107-15-3	203-468-6
	6	Lead	7439-92-1	231-100-4
	7	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7
	8	Terphenyl hydrogenated	61788-32-7	262-967-7
	9	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9
	10	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)	552-30-7	209-008-0
20th	1	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1
	2	Benzo[k]fluoranthene	207-08-9	205-916-6
	3	Fluoranthene	206-44-0 93951-69-0	205-912-4
	4	Phenanthrene	85-01-8	201-581-5
	5	Pyrene	129-00-0 1718-52-1	204-927-3
	6	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9
21st	1	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-
	2	2-methoxyethyl acetate	110-49-6	203-772-9
	3	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq$ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-
	4	4-tert-butylphenol	98-54-4	202-679-0
22nd	1	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3
	2	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6
	3	Diisohexyl phthalate	71850-09-4	276-090-2
	4	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-

Polyplastics Co., Ltd.



---

Yoichi Kurokawa  
Chief  
Quality Assurance Department

- DURACON<sup>®</sup> is a registered trademark of Polyplastics Co., Ltd. in Japan and other countries.
- TEPCON<sup>®</sup> is a registered trademark of Polyplastics Taiwan Co., Ltd. in Taiwan and other countries.
- DURANEX<sup>®</sup> is a registered trademark of Polyplastics Co., Ltd. in Japan and other countries.
- FR-PET<sup>®</sup> is a registered trademark of Teijin Limited in Japan and other countries and is used by Polyplastics Co., Ltd. under license.
- DURAFIDE<sup>®</sup> is a registered trademark of Polyplastics Co., Ltd. in Japan and other countries.
- LAPEROS<sup>®</sup> is a registered trademark of Polyplastics Co., Ltd. in Japan and other countries.
- TOPAS<sup>®</sup> is a registered trademark of TOPAS Advanced Polymers GmbH in Germany, the United States, and other countries.