

Annex 3 OCChim - Liste des substances extrêmement préoccupantes (liste des substances candidates), Etat au 1er septembre 2024, elle contient 240 substances et groupes de substances. Allegato 3 OCChim - Elenco delle sostanze estremamente preoccupanti (elenco delle sostanze candidate), Stato 1 settembre 2024, contiene 240 sostanze e gruppi di sostanze. Denominazione della sostanza in inglese (gli entry di gruppo appaiono in più righe)	Informazioni complementari sulla sostanza	Numero CE	Numero CAS	Motivo dell'inserimento nell'elenco (gli articoli citati in questa colonna si riferiscono al regolamento REACH)	Decisione della ECHA	Osservazioni
Nome de la substance en anglais (les entrées de groupe apparaissent sur plusieurs lignes)	Informations complémentaires sur la substance	No CE	No CAS	Raison de l'inclusion dans la liste (Les articles mentionnés dans cette colonne se réfèrent au règlement REACH)	Décision de l'ECHA	Remarques
Name des Stoffe auf Englisch (Gruppeneinträge erscheinen in mehreren Zeilen)	Ergänzende Informationen zum Stoff	EG-Nr.	CAS-Nr.	Grund für die Aufnahme in die Liste (In dieser Spalte genannter Artikel beziehen sich auf die REACH-Verordnung)	Entscheidung der ECHA	Bemerkungen
Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol		700-960-7	-	VfB (Article 57c)	https://echa.europa.eu/substances/1016230a7b7940-6198-323e-aaf7e2da361	The name phenol, methylhydroxybenzyl and EC number 700-960-8 and CAS number 68512-30-1 have been historically used to identify the substance "Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol". These identifiers are reported in the candidate list as additional information.
Phenol, methylhydroxybenzyl		270-966-5	68512-30-1	VfB (Article 57c)	https://echa.europa.eu/substances/1016230a7b7940-6198-323e-aaf7e2da361	
Phenol, 2-methyl- (EINECS 200-115-6)		438-340-4	3099-11-6	VfB (Article 57c)	https://echa.europa.eu/substances/1016230a7b7940-6198-323e-aaf7e2da361	
2-(dimethylamino)-2-[4-methylphenyl]methyl-1-[4-morpholin-4-yl]propan-1-ol		221-573-7	113344-96-4	Toxic for reproduction (Article 57c)	https://echa.europa.eu/substances/1016230a7b7940-6198-323e-aaf7e2da361	
2-(2H-benzotriazol-2-yl)-4-(1,1,1,3,3,3-hexafluorobutyl)ethanol (H-320)		211-869-5	237-173-9	Toxic for reproduction (Article 57c)	https://echa.europa.eu/substances/1016230a7b7940-6198-323e-aaf7e2da361	
2,4,6-trimethylbenzylalcohol		278-965-3	73-26-3	Toxic for reproduction (Article 57c)	https://echa.europa.eu/substances/1016230a7b7940-6198-323e-aaf7e2da361	
dibenzyl 2,4,6-trimethylbenzylsulfonate		211-869-5	73-26-3	Toxic for reproduction (Article 57c)	https://echa.europa.eu/substances/1016230a7b7940-6198-323e-aaf7e2da361	
2,4,6-trimethylbenzylalcohol		278-965-3	73-26-3	Toxic for reproduction (Article 57c)	https://echa.europa.eu/substances/1016230a7b7940-6198-323e-aaf7e2da361	
reaction mass of 2,2,3,3,5,5,6,6-octachloro-4-(1,1,2,3,3,3-heptafluoroprop-2-yl)phenol and 2,2,3,3,5,5,6,6-octachloro-4-(heptafluoroprop-2-yl)phenol		473-390-7	-	VfB (Article 57c)	https://echa.europa.eu/substances/1016230a7b7940-6198-323e-aaf7e2da361	
Perfluorooctanoic acid and its salts		-	-	Toxic for reproduction (Article 57c)PBT (Article 57g)hVfB (Article 57j)Equivalent level of concern having probable serious effects to human health (Article 57i) - human health/Equivalent level of concern having probable serious effects to the environment (Article 57i) - environment	https://echa.europa.eu/substances/101623a7c7f959-4d33a-08ab-c5c8540042	
Perfluorooctanoic acid		206-789-9	9 375-85-9	Toxic for reproduction (Article 57c)PBT (Article 57g)hVfB (Article 57j)Equivalent level of concern having probable serious effects to human health (Article 57i) - human health/Equivalent level of concern having probable serious effects to the environment (Article 57i) - environment	https://echa.europa.eu/substances/101623a7c7f959-4d33a-08ab-c5c8540042	
Sodium perfluorooctanoate		243-518-4	20109-59-5	Toxic for reproduction (Article 57c)PBT (Article 57g)hVfB (Article 57j)Equivalent level of concern having probable serious effects to human health (Article 57i) - human health/Equivalent level of concern having probable serious effects to the environment (Article 57i) - environment	https://echa.europa.eu/substances/101623a7c7f959-4d33a-08ab-c5c8540042	
Ammonium perfluorooctanoate		228-098-2	6130-43-4	Toxic for reproduction (Article 57c)PBT (Article 57g)hVfB (Article 57j)Equivalent level of concern having probable serious effects to human health (Article 57i) - human health/Equivalent level of concern having probable serious effects to the environment (Article 57i) - environment	https://echa.europa.eu/substances/101623a7c7f959-4d33a-08ab-c5c8540042	
potassium perfluorooctanoate		-	21049-36-5	Toxic for reproduction (Article 57c)PBT (Article 57g)hVfB (Article 57j)Equivalent level of concern having probable serious effects to human health (Article 57i) - human health/Equivalent level of concern having probable serious effects to the environment (Article 57i) - environment	https://echa.europa.eu/substances/101623a7c7f959-4d33a-08ab-c5c8540042	
Melamine		203-615-4	108-78-4	Toxic for reproduction (Article 57c)PBT (Article 57g)hVfB (Article 57j)Equivalent level of concern having probable serious effects to human health (Article 57i) - human health/Equivalent level of concern having probable serious effects to the environment (Article 57i) - environment	https://echa.europa.eu/substances/101623a7c7f959-4d33a-08ab-c5c8540042	
Isobutyl 4-hydroxybenzoate		224-208-8	4247-02-3	Toxic for reproduction (Article 57c)PBT (Article 57g)hVfB (Article 57j)Equivalent level of concern having probable serious effects to human health (Article 57i) - human health/Equivalent level of concern having probable serious effects to the environment (Article 57i) - environment	https://echa.europa.eu/substances/101623a7c7f959-4d33a-08ab-c5c8540042	
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Isobutyl 4-hydroxybenzoate		224-208-8	4247-02-3	Toxic for reproduction (Article 57c)PBT (Article 57g)hVfB (Article 57j)Equivalent level of concern having probable serious effects to human health (Article 57i) - human health/Equivalent level of concern having probable serious effects to the environment (Article 57i) - environment	https://echa.europa.eu/substances/101623a7c7f959-4d33a-08ab-c5c8540042	
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di-, tri- and tetrahydroretadiene	-	-	PBT (Article 57(d))PbP (Article 57(f))	https://echa.europa.eu/documents/10162/2af3efae2-1518-38be-04f5-3867131c214c
Alkanes, C14-17, chloro	287-477-0	85535-85-9	PBT (Article 57(d))PbP (Article 57(f))	https://echa.europa.eu/documents/10162/2af3efae2-1518-38be-04f5-3867131c214c
Tetradecane, chloro derivs.	-	198840-65-2	PBT (Article 57(d))PbP (Article 57(f))	https://echa.europa.eu/documents/10162/2af3efae2-1518-38be-04f5-3867131c214c
glutaral	202-856-5	111-30-8	Respiratory sensitizing properties (Article 57(f)) - human health) Endocrine disrupting properties (Article 57(f)) - environment/Endocrine disrupting properties (Article 57(f)) - human health)	https://echa.europa.eu/documents/10162/18ba622e-1605-bbe6-66eb-133283543999
4- <i>α</i> -(1-methylpropylidene)bisphenol	201-025-	-	-	-
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers (R)-3-(4-tert-butylphenyl)-2-methylpropanol	-	75166-31-3	Toxic for reproduction (Article 57(f))	https://echa.europa.eu/documents/10162/177a0b-7f68-5c3b-3416-4c78e393a48e
2-(4-tert-butylbenzyl)propionaldehyde	201-289	85-54-8	Toxic for reproduction (Article 57(f))	https://echa.europa.eu/documents/10162/142c638-8c2b-b2d2-09da-b38806ba7565
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, dibromo derivative; 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	221-967-	3296-90-0	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/27f6522f-c74a-00c5-e988-d04d8720822
2,2-bis(bromomethyl)propane-1,3-diol (BMP)	253-051-	36483-57-5	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/27f6522f-c74a-00c5-e988-d04d8720822
2,2-dimethylpropan-1-ol, dibromo derivative (TBNPA)	1522-50-5	-	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/27f6522f-c74a-00c5-e988-d04d8720822
3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	202-480-	96-13-9	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/27f6522f-c74a-00c5-e988-d04d8720822
2,3-dibromo-1-propanol (2,3-DBPA)	-	-	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)	https://echa.europa.eu/documents/10162/27f6522f-c74a-00c5-e988-d04d8720822
1,4-dioxane	204-661-	123-91-1	-	https://echa.europa.eu/documents/10162/173db47c-9f50-ecc3-da78-744d807f1133
Dicetylin diacetate, stannane, dioctyl-, bis(coco acetyloxy) derivs., and any other diacetate, dioctyl-, bis(coco acetyloxy) derivs., wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-	Toxic for reproduction (Article 57(f))	https://echa.europa.eu/documents/10162/7f5894b-3785-4c71-b8a8-5a172ad287a7
dicetylin diacetate, stannane, dioctyl-, bis(coco acetyloxy) derivs.	293-901-	91548-39-4	Toxic for reproduction (Article 57(f))	https://echa.europa.eu/documents/10162/7f5894b-3785-4c71-b8a8-5a172ad287a7
Stannane, dioctyl-, bis(coco acetyloxy) derivs.	222-883-	3648-18-8	Toxic for reproduction (Article 57(f))	https://echa.europa.eu/documents/10162/7f5894b-3785-4c71-b8a8-5a172ad287a7
Dicetylin diacetate	206-594-	143-24-8	Toxic for reproduction (Article 57(f))	https://echa.europa.eu/documents/10162/2385e-c733b-b33f-7975-52b7-86967c44d993
Bis(2-(2-methoxyethoxy)ethyl)ether	246-152-	22673-19-4	Toxic for reproduction (Article 57(f))	https://echa.europa.eu/documents/10162/10861b8-1130-205d-b6cf-c67139f6d69
Diethylbis(pentane-2,4-dionato-O-17)tin	202-318-	-	(Article 57(f)) - human health)	https://echa.europa.eu/documents/10162/99277ca75-c14c-29ab-81ff-e68058d8a7a7
Butyl 4-hydroxybenzoate	211-109-	688-1	Toxic for reproduction (Article 57(f))	https://echa.europa.eu/documents/10162/31b2b07f-6d5b-0d0b-35cd-c26c0932e9a1
2-methylimidazole	214-012-	1072-63-5	Toxic for reproduction (Article 57(f))	https://echa.europa.eu/documents/10162/46c2725-102e-c34f-c288-36ab796c5c35
1-vinylimidazole	-	-	-	-
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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
N,N,N'-methyltetraaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	-	25629-08-4	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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
magnesium perfluorobutanesulfonate	-	507453-86-3	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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
lithium perfluorobutanesulfonate	-	131651-45-5	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 the environment (Article 57(f)) - environment)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
morpholinium perfluorobutanesulfonate	-	503156-89-3	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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonic acid	206-793-	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 the environment (Article 57(f)) - environment)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphate	269-513-	68259-10-9	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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
tetrabutylphosphonium nonafluorobutane-1-sulfonate	444-440-	220699-12-3	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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
dimethyl(phenyl)sulfonium perfluorobutanesulfonate	452-310-	220139-51-7	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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
1-(4-butony-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	468-770-	-	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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
Triphenylsulfonium perfluorobutane sulfonate	478-340-	144317-44-2	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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphate	249-616-	3 29420-49-3	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)	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
bi(4-4-butyphenyl)iodonium perfluorobutanesulfonate	432-660-	149989-85-4	-	https://echa.europa.eu/documents/10162/079c04d0-2464-4168-1132-a22f804d6910
Disodium phthalate	276-090-	71850-09-4	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/02e8481-8841-0096-6184-0bda209e567a
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-	6 71868-10-5	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/7d1e2698-37af-402b-9d07-5edbb09e5a7f

The combined intrinsic properties justifying the inclusion as a substance for which there is scientific evidence of probable serious effects to human health and the environment which give rise to an equivalent level of concern are the following: very high persistence, high mobility in water and soil, high potential for long-range transport, and difficulty of remediation and water purification as well as moderate bioaccumulation in humans. The observed probable serious effects for human health and the environment are thyroid hormonal disturbances and reproductive toxicity seen in rodents, and effects on liver, kidney and haematological system in rats. Hormonal disturbances and effects on reproduction in marine media fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

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[illegible]

3,6,9,12-Tetraacetatradecan-1-ol, 14-(4-nonylphenox)-, branched	293-926-1	91648-64-5	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
3,6,9,12,15,18,21,24,27-Nonaoxononacosa-1-ol, 29-(isonorphenox)-	-	65455-72-3	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
3,6,9,12,19-Pentaoxahaptadecan-1-ol, 17-(nonylphenox)-	-	27177-01-1	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
3,6,9,12-Tetraacetatradecan-1-ol, 14-(4-nonylphenox)-	-	20636-48-0	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4-Nonylphenol diethoxylate	-	156609-10-8	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
2-(4-nonylphenox)ethanol	-	104-35-8	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Nonylphenol, ethoxylated (EO = 10)	-	-	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
2-[2-(4-{3,6-dimethylheptan-3-ylhexanoylethoxy}ethoxy)ethanol]	-	1119449-38-5	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Nonylphenol, ethoxylated (isomer)	-	-	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Nonylphenol, ethoxylated (EO = 4)	-	-	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Triethyl disulfate phosphonate	235-250-2	12141-20-7	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Triethyl bis(carbonate) dihydrosulfate	215-290-	1319-46-6	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Tricoulylhydrocarbanic acid	206-203-	307-55-1	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Tetradecyl disulfate	235-380-	12202-17-4	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Tetraethyllead	201-075-	78-05-2	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Sulfuric acid, lead salt, dibasic	203-461-	6229-08-7	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Silicic acid, lead salt	234-363-	11120-22-2	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
with lead (Pb) content above the applicable generic concentration limit for toxicity for reproduction/ Rep. 1A (CLP) or category 1 (DSD), the substance is a member of the group entry of lead compounds, with note number 082-001-00-6 in Regulation (EC) No 1272/2008				
Silicic acid (H2SiO3), barium salt (1:1), lead-doped	272-271-	5	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Pyroclyene, antimony lead oxide	232-382-	8012-00-8	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Pentadecyl tetraoxide sulphate	235-007-	12095-40-6	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Pentaoxahaptadecan-1-ol, 17-(nonylphenox)-	276-745-	72529-94-8	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Orange lead (lead tetraoxide)	215-235-	1214-14-6	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
o-toluidine	202-429-	95-53-4	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
o-aminooxalotoluene	202-591-	97-56-3	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
n-propyl isopropyl phthalate	201-185-	79-15-3	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
N,N-dimethylformamide	208-678-	68-12-2	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Methylisoxane (Propylene oxide)	200-878-	2	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Methylacetoacetic acid	210-894-	625-45-6	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Lead tetrafluoroborate	235-721-	16206-01-2	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Lead tetrafluoroborate	235-038-	12060-00-3	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Lead oxide sulfate	234-853-	10305-76-9	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Lead monoxide (lead oxide)	215-297-	1317-36-8	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Lead dinitrate	233-245-	10099-74-8	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Lead chromate	234-073-	20537-85-9	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Lead bis(tetrafluoroborate)	237-486-	13814-96-5	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Hexahydromethylphthalic anhydride	-	-	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Hexahydro-1-methylphthalic anhydride	256-356-	4	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Hexahydro-3-methylphthalic anhydride	4	48122-14-1	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Hexahydro-3-methylphthalic anhydride	247-094	1	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Hexahydro-4-methylphthalic anhydride	243-072	1	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Hexahydro-4-methylphthalic anhydride	0	19438-00-9	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Hexafluorocyclopentanedicarboxylic acid	208-002-	376-06-7	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Hexafluorocyclopentanedicarboxylic acid	210-165-	2056-14-8	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Furan	203-727-	110-00-9	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Fatty acid, C16-18, lead salts	235-966-	91031-42-8	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Dioctylsebacate/lead	235-702-	12578-12-0	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Dioctyl (di-sec-butyl-2,4-dinitrophenyl) dimethyl sulfoxide	203-683-	88-85-7	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Dioctyl sulfoxide	201-058-	77-78-1	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Dioctyl sulfoxide	235-588-	63-50-5	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Diethyl sulfoxide	200-588-	6	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Diethyl dithiolate (DBTC)	211-670-	131-18-1	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Diazene-1,2-dicarboxylic acid (C=C-azido)(formamide) (ADCA)	204-650-	8	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Cyclohexane-1,2-dicarboxylic anhydride	-	-	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
trans-cyclohexane-1,2-dicarboxylic anhydride	238-008-	9	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Cyclohexane-1,2-dicarboxylic anhydride	201-604-	9	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
cis-cyclohexane-1,2-dicarboxylic anhydride	238-008-	9	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Bis(p-toluenesulfonyl) ether (dibenzotrisulfonyl ether) (DacBDE)	201-604-	9	Respiratory sensitising properties (Article 57(f)) - human health	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Biphenyl-4-phenone	202-171-	421-67-1	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Acetic acid, lead salt, basic	257-175-	51404-69-4	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Phthalic acid, lead salt, basic	273-488-	90011-87-9	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
6-methoxy-m-toluidine (p-zessidine)	204-410-	120-71-8	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVB-C and well-defined substances which include any of the individual isomers or a combination thereof				
4-Nonylphenol, branched and linear	-	-	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
p-1-methylphenol	241-427-	4	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
p-nonylphenol	203-199-	4	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4-(1-Ethyl-1,4-dimethylphenyl)phenol	-	147371-63-3	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
p-isomonylphenol	247-770-	6	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4-(1-ethyl-1-methylphenyl)phenol	257-907-	1	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
o-1,1-dimethylphenol	1	52427-13-1	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Phenol, 4-nonyl-, branched	250-339-	5	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4-(1-Ethyl-1,3-dimethylphenyl)phenol	35	30784-30-6	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Nonylphenol	246-672-	0	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4-(3-ethylheptan-2-yl)phenol	-	186825-36-5	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4-(1,1,5-Triethylphenyl)phenol	-	521347-27-3	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Phenol, nonyl-, branched	291-844-	0	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Isomonylphenol	234-284-	0	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4-methyl-naphthylendianiline (toluene-2,4-diamine)	4	11005-49-2	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4-aminoazobenzene	200-453-	60-09-3	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4-(1,1,3,3-tetraethylbutyl)ethanol, ethoxylated	-	-	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
20-[4-(1,1,3,3-tetraethylbutyl)phenoxyl]-3,6,9,12,15,18-hexaoxacosan-1-ol	210-682-	8	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Poly(ox-1,2-ethanediyloxy)-9-[1,1,3,3-tetraethylbutyl]phenyl-ω-hydroxy-	-	9036-19-5	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
2-[4-(1,1,3,3-tetraethylbutyl)phenoxyl]ethanol	-	2315-67-5	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
2-[2-(4-(1,1,3,3-tetraethylbutyl)phenoxyl)ethyl]ethanol	-	2315-61-9	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Poly(ethylene glycol)-p-(1,1,3,3-tetraethylbutyl)phenyl ether	-	9002-93-1	Endocrine disrupting properties (Article 57(f)) - environment	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4'-Oxyandarine and its salts	-	-	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4'-Oxyandarine	202-977-	0	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4,4'-methylbis(o-toluidine)	0	101-80-4	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	422-400-	0	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
1-bromopropene (n-propyl bromide)	422-400-	0	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
1,2-dichloroethane	211-076-	629-14-1	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
1,2-Benzene dicarboxylic acid, dipentyl ester, branched and linear	284-032-	84777-06-0	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
α,ω-Bis(4-(dimethylamino)phenyl)-4-(phenylamino)pyridylalene-1-methanol (C.I. Solvent Blue 4)	229-851-	8	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
N,N,N',N'-tetramethyl-4,4'-methylene dianiline (Möller's base)	202-999-	101-61-1	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Lead(II) bis(methylene sulfonate)	420-750-	17070-75-2	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Formamide	200-842-	75-12-7	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
Diboron trioxide	210-129-	1353-86-2	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
[4-(4-aminio-1-naphthyl)-6-(dimethylamino)phenyl]methylpyridylacetic acid-2,5-dim-1-vinylidene dimethylammonium chloride (C.I. Basic Blue 26)	219-943-	6	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
[4-(4'-bis(dimethylamino)benzylidene)dimethylpyridylacetic acid-2,5-dim-1-vinylidene dimethylammonium chloride (C.I. Basic Violet 3)	208-953-	6	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4,4'-bis(dimethylamino)bisoxazepinone (Möller's base)	202-027-	0	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
4,4'-bis(dimethylamino)-4'-(methylamino)ethyl alcohol	209-218-	2	Carcinogenic (Article 57(a))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
1,3,5-tris(2-oxo-2-ethyl-2-oxopropyl)-3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TIC)	422-400-	0	Mutagenic (Article 57(b))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
1,3,5-Trioxolan-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TIC)	219-514-	2451-62-9	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
1,2-bis(2-methoxyethyl)amine (TSGDM; TSGME)	202-977-	112-45-2	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9
1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDM)	202-794-	112-71-4	Toxic for reproduction (Article 57(c))	https://echa.europa.eu/documents/10162/16808990-b073-4201-8e2f-06d604eaf5a9

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Cobalt dichloride	231-585		Carcinogenic (Article 57a)Toxic for reproduction (Article 57c)	https://echa.europa.eu/documents/101625633d67c-a61b-4bab-b6c5-c4a81cc39e00 https://echa.europa.eu/documents/10162799173d6d-3258-4f23-ab18-c686ac335667
Bis(n-butyltin) oxide (TBTO)	4 7546-79-9 200-268-56-35-9		PBT (Article 57d) Toxic for reproduction (Article 57c)Endocrine disrupting properties (Article 57(f)) environment/Endocrine disrupting properties (Article 57(f)) - human health	https://echa.europa.eu/documents/1016271b18d017-1056-4c92-aeeb-f190ad674174 https://echa.europa.eu/documents/101621c2ccc989-445d-40b8-a054-286738490929 https://echa.europa.eu/documents/101627029654ce-1d83-4b7a-9996-e05617c3173b https://echa.europa.eu/documents/10162730d2993-68db-86a9-6d0-6e06da3aa10e https://echa.europa.eu/documents/10162789c20879-6069-03a6-11e4-9a8f907c7e15
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0 117-81-7		Toxic for reproduction (Article 57c)Endocrine disrupting properties (Article 57(f)) - human health	https://echa.europa.eu/documents/101627cad31ee-4819-4166-9212-b39c4333c008 https://echa.europa.eu/documents/101627084e432b-e277-5b62-9ba2-a84be60b717f https://echa.europa.eu/documents/101627cb49293-424f-712c-130b-01d6d09574a
Benzyl butyl phthalate (BBP)	201-622-7 85-69-7		PBT (Article 57d)	https://echa.europa.eu/documents/101627143c-d93d-ee58-40c1-b0f1-3713cbb11539
Anthracene	204-371-120-12-7 267-476-5		PBT (Article 57d)PvPvB (Article 57a)	https://echa.europa.eu/documents/101627e9713d8-1855-4dab-9635-72ca8be244ae
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8			https://echa.europa.eu/documents/101627e3747ed6-99b4-43d5-02ae-9c8379e9241d
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-81-15-2		vPvB (Article 57e)	https://echa.europa.eu/documents/1016276850210-959-4b2e-9d1b-488d8ec799
4,4'-Diaminodiphenylmethane (MDA)	202-974-101-77-9		Carcinogenic (Article 57a)	