REACH Certificate of Compliance 224 SVHC
Updated 10 June 2022

For the following equipment:

Product Name:
Power Supplies, adaptors, transformers, all Part #'s including '(R)' or marked 'RoHS'.

(Manufacturer Name) (Manufacturer Address)
1. GlobTek, Inc. USA 186 Veterans Drive, Northvale, NJ USA 07647

GlobTek Inc. fully supports and hereby certifies complete conformance to the requirements of REACH's 224 SVHC (Substances of Very High Concern in accordance with Article 59(10) of the REACH Regulation), the European Community Regulation standard about chemicals and their safe use (EC 1907/2006).

With regard to the requirement of Article 67 of Reach : A substance on its own, in preparation or in an article, for which Annex XVII, contains a restriction shall not be manufactured, placed on the market or used unless it complies with the conditions of that restriction. We declare that none of the substances in the Conditions of restriction is present in GlobTek's products (or packaging)

As REACH regulation is updated frequently, for the major changes afterwards, such as the addition of SVHC substances into Annex XIV, the addition of restricted substances in Annex XVII, GlobTek Inc will evaluate the further revise in time and update this declaration to reflect those changes

Annex XIV : https://echa.europa.eu/candidate-list-table
Annex XVII : https://echa.europa.eu/substances-restricted-under-reach

GlobTek, Inc. is committed to providing safe products consistent with the improvement and protection of human health and the environment through the better and earlier identification of the intrinsic properties of chemical substances.

GlobTek Inc. is conforming and will continue to conform to the requirements of REACH as new amendments are released. Specifically, the below listed chemical substances are not present in our products for quantities totaling over one ton per producer a year, and are not present above a concentration of 0.1% by weight.

QA Department: Dave Duff
Date: 10 June 2022
Signature:

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
N-(hydroxymethyl)acrylamide		213-103-2	924-42-5	Carcinogenic (Article 57a),Mutagenic (Article 57b)	06/10/22	https://echa.europa.eu/documents/10162/02904d92-61a9-be52-f565-a6ec65c0fcbd	https://echa.europa.eu/documents/10162/7b2404fe-f91e-0b39-32b7-b853e82ab2af	https://echa.europa.eu/documents/10162/f5c6a946-c14d-b45d-b9ca-cc0bd85403c4	https://echa.europa.eu/documents/10162/32f6be21-a6b3-9730-ddc5-2bb7050499a5	
tris(2-methoxyethoxy)vinylsilane		213-934-0	1067-53-4	Toxic for reproduction (Article 57c)	01/17/22	https://echa.europa.eu/documents/10162/1b4d5632-3958-a563-bbd4-d318e59e520b	https://echa.europa.eu/documents/10162/b175f54b-e658-de9b-0dec-dad099bb1f17	https://echa.europa.eu/documents/10162/21bc25f0-b6f0-1174-18ba-a9081578097e	https://echa.europa.eu/documents/10162/3914417a-18b5-5334-8d25-fc1a40d0782e	
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	401-850-9	255881-94-8	PBT (Article 57d)	01/17/22	https://echa.europa.eu/documents/10162/a70cd813-f087-c8df-03ce-1359f8f7e516	https://echa.europa.eu/documents/10162/fab08a5e-d762-bc39-8999-fab001c36b7c	https://echa.europa.eu/documents/10162/4f98791d-869c-d7a4-5791-9380fa825a31	https://echa.europa.eu/documents/10162/22c2d1af-3748-206d-3031-02de14d58047	
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol		204-327-1	119-47-1	Toxic for reproduction (Article 57c)	01/17/22	https://echa.europa.eu/documents/10162/fe17e78e-729f-770e-5f4a-5da23bb2c361	https://echa.europa.eu/documents/10162/2409e362-247f-8ca4-c856-40231ac2dc88	https://echa.europa.eu/documents/10162/7f58d058-f965-6fe2-864c-4df6a605c8ce	https://echa.europa.eu/documents/10162/92936d26-abe2-f0cb-9bdd-f5be90304c5b	
(Â±)-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)	01/17/22	https://echa.europa.eu/documents/10162/b05be4ea-eff8-5c93-f021-9961a9abc10d	https://echa.europa.eu/documents/10162/94537711-ea88-61c3-4a4a-d134d900b81c	https://echa.europa.eu/documents/10162/41008a30-53db-84bd-6d4e-7f31d9aa78dc	https://echa.europa.eu/documents/10162/36e3ce7f-fa01-9134-239a-9dae6e783fd1	
(Â±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one		253-242-6	36861-47-9	Endocrine disrupting properties (Article 57(f) - human health)	01/17/22	https://echa.europa.eu/documents/10162/b05be4ea-eff8-5c93-f021-9961a9abc10d	https://echa.europa.eu/documents/10162/94537711-ea88-61c3-4a4a-d134d900b81c	https://echa.europa.eu/documents/10162/41008a30-53db-84bd-6d4e-7f31d9aa78dc	https://echa.europa.eu/documents/10162/36e3ce7f-fa01-9134-239a-9dae6e783fd1	
(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		-	1782069-81-1	Endocrine disrupting properties (Article 57(f) - human health)	01/17/22	https://echa.europa.eu/documents/10162/b05be4ea-eff8-5c93-f021-9961a9abc10d	https://echa.europa.eu/documents/10162/94537711-ea88-61c3-4a4a-d134d900b81c	https://echa.europa.eu/documents/10162/41008a30-53db-84bd-6d4e-7f31d9aa78dc	https://echa.europa.eu/documents/10162/36e3ce7f-fa01-9134-239a-9dae6e783fd1	
(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		-	95342-41-9	Endocrine disrupting properties (Article 57(f) - human health)	01/17/22	https://echa.europa.eu/documents/10162/b05be4ea-eff8-5c93-f021-9961a9abc10d	https://echa.europa.eu/documents/10162/94537711-ea88-61c3-4a4a-d134d900b81c	https://echa.europa.eu/documents/10162/41008a30-53db-84bd-6d4e-7f31d9aa78dc	https://echa.europa.eu/documents/10162/36e3ce7f-fa01-9134-239a-9dae6e783fd1	
(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		-	852541-30-1	Endocrine disrupting properties (Article 57(f) - human health)	01/17/22	https://echa.europa.eu/documents/10162/b05be4ea-eff8-5c93-f021-9961a9abc10d	https://echa.europa.eu/documents/10162/94537711-ea88-61c3-4a4a-d134d900b81c	https://echa.europa.eu/documents/10162/41008a30-53db-84bd-6d4e-7f31d9aa78dc	https://echa.europa.eu/documents/10162/36e3ce7f-fa01-9134-239a-9dae6e783fd1	
(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		-	852541-21-0	Endocrine disrupting properties (Article 57(f) - human health)	01/17/22	https://echa.europa.eu/documents/10162/b05be4ea-eff8-5c93-f021-9961a9abc10d	https://echa.europa.eu/documents/10162/94537711-ea88-61c3-4a4a-d134d900b81c	https://echa.europa.eu/documents/10162/41008a30-53db-84bd-6d4e-7f31d9aa78dc	https://echa.europa.eu/documents/10162/36e3ce7f-fa01-9134-239a-9dae6e783fd1	

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(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one		-	741687-98-9	Endocrine disrupting properties (Article 57(f) - human health)	01/17/22	https://echa.europa.eu/documents/10162/b05be4ea-eff8-5c93-f021-9961a9abc10d	https://echa.europa.eu/documents/10162/94537711-ea88-61c3-4a4a-d134d900b81c	https://echa.europa.eu/documents/10162/41008a30-53db-84bd-6d4e-7f31d9aa78dc	https://echa.europa.eu/documents/10162/36e3ce7f-fa01-9134-239a-9dae6e783fd1	
(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		-	852541-25-4	Endocrine disrupting properties (Article 57(f) - human health)	01/17/22	https://echa.europa.eu/documents/10162/b05be4ea-eff8-5c93-f021-9961a9abc10d	https://echa.europa.eu/documents/10162/94537711-ea88-61c3-4a4a-d134d900b81c	https://echa.europa.eu/documents/10162/41008a30-53db-84bd-6d4e-7f31d9aa78dc	https://echa.europa.eu/documents/10162/36e3ce7f-fa01-9134-239a-9dae6e783fd1	
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)	07/08/21	https://echa.europa.eu/documents/10162/6c954d43-13d4-b12b-4c0a-bc6c1f35fc72	https://echa.europa.eu/documents/10162/6823656a-b163-5985-75c4-a768a67b9d3c	https://echa.europa.eu/documents/10162/6a83bb36-00c4-3b6a-74a4-76a1223aacd9	https://echa.europa.eu/documents/10162/7c788805-871e-9568-78a8-402f94541ae0	
4-isododecylphenol		-	27459-10-05	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - environment),Endocrine disrupting properties (Article 57(f) - human health)	07/08/21	https://echa.europa.eu/documents/10162/6c954d43-13d4-b12b-4c0a-bc6c1f35fc72	https://echa.europa.eu/documents/10162/6823656a-b163-5985-75c4-a768a67b9d3c	https://echa.europa.eu/documents/10162/6a83bb36-00c4-3b6a-74a4-76a1223aacd9	https://echa.europa.eu/documents/10162/7c788805-871e-9568-78a8-402f94541ae0	
Phenol, tetrapropylene-		-	57427-55-1	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - environment),Endocrine disrupting properties (Article 57(f) - human health)	07/08/21	https://echa.europa.eu/documents/10162/6c954d43-13d4-b12b-4c0a-bc6c1f35fc72	https://echa.europa.eu/documents/10162/6823656a-b163-5985-75c4-a768a67b9d3c	https://echa.europa.eu/documents/10162/6a83bb36-00c4-3b6a-74a4-76a1223aacd9	https://echa.europa.eu/documents/10162/7c788805-871e-9568-78a8-402f94541ae0	
Phenol, 4-dodecyl, branched		-	210555-94-5	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - environment),Endocrine disrupting properties (Article 57(f) - human health)	07/08/21	https://echa.europa.eu/documents/10162/6c954d43-13d4-b12b-4c0a-bc6c1f35fc72	https://echa.europa.eu/documents/10162/6823656a-b163-5985-75c4-a768a67b9d3c	https://echa.europa.eu/documents/10162/6a83bb36-00c4-3b6a-74a4-76a1223aacd9	https://echa.europa.eu/documents/10162/7c788805-871e-9568-78a8-402f94541ae0	

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Phenol, (tetrapropenyl) derivatives		-	74499-35-7	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - environment),Endocrine disrupting properties (Article 57(f) - human health)	07/08/21	https://echa.europa.eu/documents/10162/6c954d43-13d4-b12b-4c0a-bc6c1f35fc72	https://echa.europa.eu/documents/10162/6823656a-b163-5985-75c4-a768a67b9d3c	https://echa.europa.eu/documents/10162/6a83bb36-00c4-3b6a-74a4-76a1223aacd9	https://echa.europa.eu/documents/10162/7c788805-871e-9568-78a8-402f94541ae0	
Phenol, 4-isododecyl-		-	27147-75-7	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - environment),Endocrine disrupting properties (Article 57(f) - human health)	07/08/21	https://echa.europa.eu/documents/10162/6c954d43-13d4-b12b-4c0a-bc6c1f35fc72	https://echa.europa.eu/documents/10162/6823656a-b163-5985-75c4-a768a67b9d3c	https://echa.europa.eu/documents/10162/6a83bb36-00c4-3b6a-74a4-76a1223aacd9	https://echa.europa.eu/documents/10162/7c788805-871e-9568-78a8-402f94541ae0	
Phenol, dodecyl-, branched		310-154-3	121158-58-5	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - environment),Endocrine disrupting properties (Article 57(f) - human health)	07/08/21	https://echa.europa.eu/documents/10162/6c954d43-13d4-b12b-4c0a-bc6c1f35fc72	https://echa.europa.eu/documents/10162/6823656a-b163-5985-75c4-a768a67b9d3c	https://echa.europa.eu/documents/10162/6a83bb36-00c4-3b6a-74a4-76a1223aacd9	https://echa.europa.eu/documents/10162/7c788805-871e-9568-78a8-402f94541ae0	
orthoboric acid, sodium salt		-	-	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/2ffc10a7-fe57-2c75-9af2-001cb5f5aa1e	https://echa.europa.eu/documents/10162/0b757d38-e10b-6692-2e56-b6d26b366dc8	https://echa.europa.eu/documents/10162/c4c5aa8d-8f61-51ef-d120-6f54b5d9a0c0	https://echa.europa.eu/documents/10162/4b353aba-79ac-3605-690c-e6f1ca320647	
Boric acid, sodium salt		215-604-1	1333-73-9	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/2ffc10a7-fe57-2c75-9af2-001cb5f5aa1e	https://echa.europa.eu/documents/10162/0b757d38-e10b-6692-2e56-b6d26b366dc8	https://echa.europa.eu/documents/10162/c4c5aa8d-8f61-51ef-d120-6f54b5d9a0c0	https://echa.europa.eu/documents/10162/4b353aba-79ac-3605-690c-e6f1ca320647	
Orthoboric acid, sodium salt		237-560-2	13840-56-7	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/2ffc10a7-fe57-2c75-9af2-001cb5f5aa1e	https://echa.europa.eu/documents/10162/0b757d38-e10b-6692-2e56-b6d26b366dc8	https://echa.europa.eu/documents/10162/c4c5aa8d-8f61-51ef-d120-6f54b5d9a0c0	https://echa.europa.eu/documents/10162/4b353aba-79ac-3605-690c-e6f1ca320647	
Boric acid (H3BO3), disodium salt		-	22454-04-02	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/2ffc10a7-fe57-2c75-9af2-001cb5f5aa1e	https://echa.europa.eu/documents/10162/0b757d38-e10b-6692-2e56-b6d26b366dc8	https://echa.europa.eu/documents/10162/c4c5aa8d-8f61-51ef-d120-6f54b5d9a0c0	https://echa.europa.eu/documents/10162/4b353aba-79ac-3605-690c-e6f1ca320647	
boric acid (H3BO3), sodium salt, hydrate		-	25747-83-5	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/2ffc10a7-fe57-2c75-9af2-001cb5f5aa1e	https://echa.europa.eu/documents/10162/0b757d38-e10b-6692-2e56-b6d26b366dc8	https://echa.europa.eu/documents/10162/c4c5aa8d-8f61-51ef-d120-6f54b5d9a0c0	https://echa.europa.eu/documents/10162/4b353aba-79ac-3605-690c-e6f1ca320647	

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boric acid (H3BO3), sodium salt (1:1)		-	14890-53-0	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/2ffc10a7-fe57-2c75-9af2-001cb5f5aa1e	https://echa.europa.eu/documents/10162/0b757d38-e10b-6692-2e56-b6d26b366dc8	https://echa.europa.eu/documents/10162/c4c5aa8d-8f61-51ef-d120-6f54b5d9a0c0	https://echa.europa.eu/documents/10162/4b353aba-79ac-3605-690c-e6f1ca320647	
Trisodium orthoborate		238-253-6	14312-40-4	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/2ffc10a7-fe57-2c75-9af2-001cb5f5aa1e	https://echa.europa.eu/documents/10162/0b757d38-e10b-6692-2e56-b6d26b366dc8	https://echa.europa.eu/documents/10162/c4c5aa8d-8f61-51ef-d120-6f54b5d9a0c0	https://echa.europa.eu/documents/10162/4b353aba-79ac-3605-690c-e6f1ca320647	
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	-	-	PBT (Article 57d),vPvB (Article 57e)	07/08/21	https://echa.europa.eu/documents/10162/af3efea2-1518-3bbe-0bf5-3867131c2f4c	https://echa.europa.eu/documents/10162/799da465-c1f4-00ea-e771-53d405fee8af	https://echa.europa.eu/documents/10162/98611952-49d5-b0be-d4b9-3df6579315c9	https://echa.europa.eu/documents/10162/2b9b5c86-8980-3ce8-5bda-77928392642c,https://echa.europa.eu/documents/10162/a47cba77-d86d-006e-80e5-bbd3a103a193,https://echa.europa.eu/documents/10162/5a99cbfc-fd8b-df56-af12-c39a5c6cc8ce	
di-, tri- and tetrachlorotetradecane		-	-	PBT (Article 57d),vPvB (Article 57e)	07/08/21	https://echa.europa.eu/documents/10162/af3efea2-1518-3bbe-0bf5-3867131c2f4c	https://echa.europa.eu/documents/10162/799da465-c1f4-00ea-e771-53d405fee8af	https://echa.europa.eu/documents/10162/98611952-49d5-b0be-d4b9-3df6579315c9	https://echa.europa.eu/documents/10162/2b9b5c86-8980-3ce8-5bda-77928392642c,https://echa.europa.eu/documents/10162/a47cba77-d86d-006e-80e5-bbd3a103a193,https://echa.europa.eu/documents/10162/5a99cbfc-fd8b-df56-af12-c39a5c6cc8ce	
Alkanes, C14-17, chloro		287-477-0	85535-85-9	PBT (Article 57d),vPvB (Article 57e)	07/08/21	https://echa.europa.eu/documents/10162/af3efea2-1518-3bbe-0bf5-3867131c2f4c	https://echa.europa.eu/documents/10162/799da465-c1f4-00ea-e771-53d405fee8af	https://echa.europa.eu/documents/10162/98611952-49d5-b0be-d4b9-3df6579315c9	https://echa.europa.eu/documents/10162/2b9b5c86-8980-3ce8-5bda-77928392642c,https://echa.europa.eu/documents/10162/a47cba77-d86d-006e-80e5-bbd3a103a193,https://echa.europa.eu/documents/10162/5a99cbfc-fd8b-df56-af12-c39a5c6cc8ce	
Tetradecane, chloro derivs.		-	198840-65-2	PBT (Article 57d),vPvB (Article 57e)	07/08/21	https://echa.europa.eu/documents/10162/af3efea2-1518-3bbe-0bf5-3867131c2f4c	https://echa.europa.eu/documents/10162/799da465-c1f4-00ea-e771-53d405fee8af	https://echa.europa.eu/documents/10162/98611952-49d5-b0be-d4b9-3df6579315c9	https://echa.europa.eu/documents/10162/2b9b5c86-8980-3ce8-5bda-77928392642c,https://echa.europa.eu/documents/10162/a47cba77-d86d-006e-80e5-bbd3a103a193,https://echa.europa.eu/documents/10162/5a99cbfc-fd8b-df56-af12-c39a5c6cc8ce	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Alkanes, C14-16, chloro		-	1372804-76-6	PBT (Article 57d),vPvB (Article 57e)	07/08/21	https://echa.europa.eu/documents/10162/af3efea2-1518-3bbe-0bf5-3867131c2f4c	https://echa.europa.eu/documents/10162/799da465-c1f4-00ea-e771-53d405fee8af	https://echa.europa.eu/documents/10162/98611952-49d5-b0be-d4b9-3df6579315c9	https://echa.europa.eu/documents/10162/2b9b5c86-8980-3ce8-5bda-77928392642c,https://echa.europa.eu/documents/10162/a47cba77-d86d-006e-80e5-bbd3a103a193,https://echa.europa.eu/documents/10162/5a99cbfc-fd8b-df56-af12-c39a5c6cc8ce	
glutaral		203-856-5	111-30-8	Respiratory sensitising properties (Article 57(f) - human health)	07/08/21	https://echa.europa.eu/documents/10162/f8bab22e-f605-bbed-66eb-1332835436f9	https://echa.europa.eu/documents/10162/b5ed1907-5313-68e0-c7a7-751d9de47330	https://echa.europa.eu/documents/10162/c02d3fc8-772e-14d0-1eda-2db650aa0b8f	https://echa.europa.eu/documents/10162/6e8721b5-cda7-662b-17e5-2f395fe0d521	
4,4'-(1-methylpropylidene)bisphenol		201-025-1	77-40-7	Endocrine disrupting properties (Article 57(f) - environment),Endocrine disrupting properties (Article 57(f) - human health)	07/08/21	https://echa.europa.eu/documents/10162/ab77aafb-7b98-5cbb-3416-fc28e393a48e	https://echa.europa.eu/documents/10162/6755b6f5-11e8-ba1f-8168-6325fad64bce	https://echa.europa.eu/documents/10162/dd9e01dd-8aac-8ecd-4c39-4da6c92c2ec8	https://echa.europa.eu/documents/10162/141706c5-95f0-5197-6ab0-3287bc0e7f46	
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers		-	-	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/142cc638-9c2b-b2d2-09da-b38806ba7565	https://echa.europa.eu/documents/10162/17f27f86-efe0-c723-32b5-ff774ae31a16	https://echa.europa.eu/documents/10162/fc185a73-227f-328a-c6c2-e77f848f53c6	https://echa.europa.eu/documents/10162/276ad049-1ceb-e417-b4a7-2c72322e0ce5	
(2R)-3-(4-tert-butylphenyl)-2-methylpropanal		-	75166-31-3	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/142cc638-9c2b-b2d2-09da-b38806ba7565	https://echa.europa.eu/documents/10162/17f27f86-efe0-c723-32b5-ff774ae31a16	https://echa.europa.eu/documents/10162/fc185a73-227f-328a-c6c2-e77f848f53c6	https://echa.europa.eu/documents/10162/276ad049-1ceb-e417-b4a7-2c72322e0ce5	
2-(4-tert-butylbenzyl)propionaldehyde		201-289-8	80-54-6	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/142cc638-9c2b-b2d2-09da-b38806ba7565	https://echa.europa.eu/documents/10162/17f27f86-efe0-c723-32b5-ff774ae31a16	https://echa.europa.eu/documents/10162/fc185a73-227f-328a-c6c2-e77f848f53c6	https://echa.europa.eu/documents/10162/276ad049-1ceb-e417-b4a7-2c72322e0ce5	
(2S)-3-(4-tert-butylphenyl)-2-methylpropanal		-	75166-30-2	Toxic for reproduction (Article 57c)	07/08/21	https://echa.europa.eu/documents/10162/142cc638-9c2b-b2d2-09da-b38806ba7565	https://echa.europa.eu/documents/10162/17f27f86-efe0-c723-32b5-ff774ae31a16	https://echa.europa.eu/documents/10162/fc185a73-227f-328a-c6c2-e77f848f53c6	https://echa.europa.eu/documents/10162/276ad049-1ceb-e417-b4a7-2c72322e0ce5	
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)	07/08/21	https://echa.europa.eu/documents/10162/27d5b22f-c74a-00c5-e988-d0d4db720822	https://echa.europa.eu/documents/10162/12706f21-c551-9d0e-7b28-0c07bfcd89be	https://echa.europa.eu/documents/10162/22d07e1a-0a10-7050-3dd7-c28264224db0	https://echa.europa.eu/documents/10162/97e7c76f-99ad-ae48-dda3-fe76c5098e3f	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
2,3-dibromo-1-propanol (2,3-DBPA)		202-480-9	96-13-9	Carcinogenic (Article 57a)	07/08/21	https://echa.europa.eu/documents/10162/27d5b22f-c74a-00c5-e988-d0d4db720822	https://echa.europa.eu/documents/10162/12706f21-c551-9d0e-7b28-0c07bfcd89be	https://echa.europa.eu/documents/10162/22d07e1a-0a10-7050-3dd7-c28264224db0	https://echa.europa.eu/documents/10162/97e7c76f-99ad-ae48-dda3-fe76c5098e3f	
3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)		-	1522-92-5	Carcinogenic (Article 57a)	07/08/21	https://echa.europa.eu/documents/10162/27d5b22f-c74a-00c5-e988-d0d4db720822	https://echa.europa.eu/documents/10162/12706f21-c551-9d0e-7b28-0c07bfcd89be	https://echa.europa.eu/documents/10162/22d07e1a-0a10-7050-3dd7-c28264224db0	https://echa.europa.eu/documents/10162/97e7c76f-99ad-ae48-dda3-fe76c5098e3f	
2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA)		253-057-0	36483-57-5	Carcinogenic (Article 57a)	07/08/21	https://echa.europa.eu/documents/10162/27d5b22f-c74a-00c5-e988-d0d4db720822	https://echa.europa.eu/documents/10162/12706f21-c551-9d0e-7b28-0c07bfcd89be	https://echa.europa.eu/documents/10162/22d07e1a-0a10-7050-3dd7-c28264224db0	https://echa.europa.eu/documents/10162/97e7c76f-99ad-ae48-dda3-fe76c5098e3f	
2,2-bis(bromomethyl)propane-1,3-diol (BMP)		221-967-7	3296-90-0	Carcinogenic (Article 57a)	07/08/21	https://echa.europa.eu/documents/10162/27d5b22f-c74a-00c5-e988-d0d4db720822	https://echa.europa.eu/documents/10162/12706f21-c551-9d0e-7b28-0c07bfcd89be	https://echa.europa.eu/documents/10162/22d07e1a-0a10-7050-3dd7-c28264224db0	https://echa.europa.eu/documents/10162/97e7c76f-99ad-ae48-dda3-fe76c5098e3f	
1,4-dioxane		204-661-8	123-91-1	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)	07/08/21	https://echa.europa.eu/documents/10162/17ab47c9-f60e-ecbc-da78-474468076133	https://echa.europa.eu/documents/10162/031ccf23-e060-c12b-5978-757b21f51ef5	https://echa.europa.eu/documents/10162/ce76bdd9-006a-19fc-05eb-4bb60daa0256	https://echa.europa.eu/documents/10162/9b5464f1-ef30-7e57-5184-10291c44328e	
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		-	-	Toxic for reproduction (Article 57c)	01/19/21	https://echa.europa.eu/documents/10162/7fc5894b-3785-4c7f-bba8-5a172ad287a7	https://echa.europa.eu/documents/10162/3daf4bfd-78b4-7e5a-717f-f8169e350d65	https://echa.europa.eu/documents/10162/879129fe-2615-0c9f-e91b-00b900d26c17	https://echa.europa.eu/documents/10162/77d1fdea-6e60-9311-7e9e-301686ef38c6	
Dioctyltin dilaurate		222-883-3	3648-18-8	Toxic for reproduction (Article 57c)	01/19/21	https://echa.europa.eu/documents/10162/7fc5894b-3785-4c7f-bba8-5a172ad287a7	https://echa.europa.eu/documents/10162/3daf4bfd-78b4-7e5a-717f-f8169e350d65	https://echa.europa.eu/documents/10162/879129fe-2615-0c9f-e91b-00b900d26c17	https://echa.europa.eu/documents/10162/77d1fdea-6e60-9311-7e9e-301686ef38c6	
dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.		-	-	Toxic for reproduction (Article 57c)	01/19/21	https://echa.europa.eu/documents/10162/7fc5894b-3785-4c7f-bba8-5a172ad287a7	https://echa.europa.eu/documents/10162/3daf4bfd-78b4-7e5a-717f-f8169e350d65	https://echa.europa.eu/documents/10162/879129fe-2615-0c9f-e91b-00b900d26c17	https://echa.europa.eu/documents/10162/77d1fdea-6e60-9311-7e9e-301686ef38c6	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Stannane, dioctyl-, bis(coco acyloxy) derivs.		293-901-5	91648-39-4	Toxic for reproduction (Article 57c)	01/19/21	https://echa.europa.eu/documents/10162/7fc5894b-3785-4c7f-bba8-5a172ad287a7	https://echa.europa.eu/documents/10162/3daf4bfd-78b4-7e5a-717f-f8169e350d65	https://echa.europa.eu/documents/10162/879129fe-2615-0c9f-e91b-00b900d26c17	https://echa.europa.eu/documents/10162/77d1fdea-6e60-9311-7e9e-301686ef38c6	
Bis(2-(2-methoxyethoxy)ethyl)ether		205-594-7	143-24-8	Toxic for reproduction (Article 57c)	01/19/21	https://echa.europa.eu/documents/10162/854c5708-b10f-7b75-52e7-968e7c448992	https://echa.europa.eu/documents/10162/b3398d8d-f30d-1db5-1cbc-094de67753cf	https://echa.europa.eu/documents/10162/c99c2be3-8ba4-0a7c-4711-423639029884	https://echa.europa.eu/documents/10162/3bdbc35b-91e1-3a8a-302a-2ba6313cc50e	
Dibutylbis(pentane-2,4-dionato-O,O')tin		245-152-0	22673-19-4	Toxic for reproduction (Article 57c)	06/25/20	https://echa.europa.eu/documents/10162/10861be8-f130-266d-ca8f-c6c7139fe6d9	https://echa.europa.eu/documents/10162/6f88822c-faae-8f80-7121-9e64752668dc	https://echa.europa.eu/documents/10162/741c3cb4-34b1-3dc3-a12b-07d651f6eb53	https://echa.europa.eu/documents/10162/cd37b495-7065-d09f-74b4-40b39eef4e82	
Butyl 4-hydroxybenzoate		202-318-7	94-26-8	Endocrine disrupting properties (Article 57(f) - human health)	06/25/20	https://echa.europa.eu/documents/10162/9227ca75-c14c-29ab-81ff-ee86058dd7a7	https://echa.europa.eu/documents/10162/59ed15a3-66ee-b8c8-1384-54277d0223eb	https://echa.europa.eu/documents/10162/c61a924a-4b3a-d122-1343-d5557deb3029,https://echa.europa.eu/documents/10162/9c45b069-0fbf-c247-08c0-d0567c58a43e	https://echa.europa.eu/documents/10162/d4447c8f-c2f4-df26-c06e-c0a4e93b20e9	
2-methylimidazole		211-765-7	693-98-1	Toxic for reproduction (Article 57c)	06/25/20	https://echa.europa.eu/documents/10162/31fcbd73-6d35-06d9-35cd-42dc09362aa1	https://echa.europa.eu/documents/10162/99d34015-c23f-882d-ba9e-8404434bb456	https://echa.europa.eu/documents/10162/03e937e3-2f19-ad9d-6bd5-ab9ceae0d0c6	https://echa.europa.eu/documents/10162/23a73a48-dbec-b764-c3e0-f3f45a7cd36d	
1-vinylimidazole		214-012-0	1072-63-5	Toxic for reproduction (Article 57c)	06/25/20	https://echa.europa.eu/documents/10162/4b662f2b-020e-e3a9-c398-3a6d79b65c35	https://echa.europa.eu/documents/10162/24d19609-35d1-edaa-4aac-07db7025edde	https://echa.europa.eu/documents/10162/ce50a489-acc9-3908-e6af-d43fa4af292b	https://echa.europa.eu/documents/10162/36a36d48-2f35-cfe6-4bca-07870d3c65fd	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid		206-793-1	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate		269-513-7	2723-10-09	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate		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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate		432-660-4	194999-85-4	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate		444-440-5	24081-12-03	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
morpholinium perfluorobutanesulfonate		-	503155-89-3	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate		468-770-4	-	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Triphenylsulfanium perfluorobutane sulfonate		478-340-8	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate		-	25628-08-04	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
lithium perfluorobutanesulfonate		-	131651-65-5	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/53791353-6577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
dimethyl(phenyl)sulfanium perfluorobutanesulfonate		452-310-4	220133-51-7	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)	01/16/20	https://echa.europa.eu/documents/10162/079c04a0-2464-4168-f132-a22ffb04d910	https://echa.europa.eu/documents/10162/537913536577-a9e8-5600-c5ef51864652	https://echa.europa.eu/documents/10162/891ab33d-d263-cc4b-0f2d-d84cfb7f424a	https://echa.europa.eu/documents/10162/84d51ffb-f3ac-f182-10f2-31c4d9386ab9	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 medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.
Diisohexyl phthalate		276-090-2	6314-09-04	Toxic for reproduction (Article 57c)	01/16/20	https://echa.europa.eu/documents/10162/802ed481-8bf1-0096-61a4-0bbd2f9b573c	https://echa.europa.eu/documents/10162/c9adbb8d-3989-2380-cb54-f34940de0002	https://echa.europa.eu/documents/10162/cc11a6e1-0b26-8a5d-189d-417eb06a60d4	https://echa.europa.eu/documents/10162/9f133792-ce5e-da2c-6a2c-8616ec336f6e	
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	ACETOCURE 97; GENOCURE*PMP; IGM 4817; IRGACURE 907; SPEEDCURE 97	400-600-6	6332-10-05	Toxic for reproduction (Article 57c)	01/16/20	https://echa.europa.eu/documents/10162/7d1e26b8-37af-4f0b-0d0f-5edb0b6e5a7f	https://echa.europa.eu/documents/10162/e31382a6-3e8a-a858-da3d-614c10f6c75d	https://echa.europa.eu/documents/10162/e4917be1-32fd-dbd6-e305-90f269d446dd	https://echa.europa.eu/documents/10162/4bd29548-f917-95c6-3c59-d6afd1e0901d	
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	CG 25-369; IRGACURE 369; TK 11-319	404-360-3	119313-12-1	Toxic for reproduction (Article 57c)	01/16/20	https://echa.europa.eu/documents/10162/ba42270a-93fe-7cde-6d41-7f7af4e00e66	https://echa.europa.eu/documents/10162/dfd0d651-604f-f33f-0831-3672c1cbb580	https://echa.europa.eu/documents/10162/6d5c6d89-bd66-3c04-4a31-f580476b88b4	https://echa.europa.eu/documents/10162/54890824-f79f-c051-6c29-2efb018be01a	
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with â‰¥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		-	-	Endocrine disrupting properties (Article 57(f) - environment)	07/16/19	https://echa.europa.eu/documents/10162/a661cbe6-c805-b9c7-1287-53dee5cd1df5	https://echa.europa.eu/documents/10162/8da7df6b-e62f-47f7-d9d1-154f8db267f8	https://echa.europa.eu/documents/10162/ceb2fc2c-78f2-627f-29ae-b37c0e91bc69	https://echa.europa.eu/documents/10162/70879c79-2312-31bd-09e5-558df06f19e2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
tris(nonylphenyl) phosphite		247-759-6	26523-78-4	Endocrine disrupting properties (Article 57(f) - environment)	07/16/19	https://echa.europa.eu/documents/10162/a661cbe6-c805-b9c7-1287-53dee5cd1df5	https://echa.europa.eu/documents/10162/8da7df6b-e62f-47f7-d9d1-154f8db267f8	https://echa.europa.eu/documents/10162/ceb2fc2c-78f2-627f-29ae-b37c0e91bc69	https://echa.europa.eu/documents/10162/70879c79-2312-31bd-09e5-558df06f19e2	
Phenol, 4-nonyl-, phosphite (3:1)		-	3050-88-2	Endocrine disrupting properties (Article 57(f) - environment)	07/16/19	https://echa.europa.eu/documents/10162/a661cbe6-c805-b9c7-1287-53dee5cd1df5	https://echa.europa.eu/documents/10162/8da7df6b-e62f-47f7-d9d1-154f8db267f8	https://echa.europa.eu/documents/10162/ceb2fc2c-78f2-627f-29ae-b37c0e91bc69	https://echa.europa.eu/documents/10162/70879c79-2312-31bd-09e5-558df06f19e2	
tris(4-nonylphenyl, branched) phosphite		-	-	Endocrine disrupting properties (Article 57(f) - environment)	07/16/19	https://echa.europa.eu/documents/10162/a661cbe6-c805-b9c7-1287-53dee5cd1df5	https://echa.europa.eu/documents/10162/8da7df6b-e62f-47f7-d9d1-154f8db267f8	https://echa.europa.eu/documents/10162/ceb2fc2c-78f2-627f-29ae-b37c0e91bc69	https://echa.europa.eu/documents/10162/70879c79-2312-31bd-09e5-558df06f19e2	
Phenol, p-sec-nonyl-, phosphite		-	106599-06-8	Endocrine disrupting properties (Article 57(f) - environment)	07/16/19	https://echa.europa.eu/documents/10162/a661cbe6-c805-b9c7-1287-53dee5cd1df5	https://echa.europa.eu/documents/10162/8da7df6b-e62f-47f7-d9d1-154f8db267f8	https://echa.europa.eu/documents/10162/ceb2fc2c-78f2-627f-29ae-b37c0e91bc69	https://echa.europa.eu/documents/10162/70879c79-2312-31bd-09e5-558df06f19e2	
Phenol, p-isononyl-, phosphite (3:1)		-	31631-13-7	Endocrine disrupting properties (Article 57(f) - environment)	07/16/19	https://echa.europa.eu/documents/10162/a661cbe6-c805-b9c7-1287-53dee5cd1df5	https://echa.europa.eu/documents/10162/8da7df6b-e62f-47f7-d9d1-154f8db267f8	https://echa.europa.eu/documents/10162/ceb2fc2c-78f2-627f-29ae-b37c0e91bc69	https://echa.europa.eu/documents/10162/70879c79-2312-31bd-09e5-558df06f19e2	
4-tert-butylphenol		202-679-0	98-54-4	Endocrine disrupting properties (Article 57(f) - environment)	07/16/19	https://echa.europa.eu/documents/10162/ca2542ab-a35b-1c00-5490-708d59332c38,https://echa.europa.eu/documents/10162/99a7e1c6-2aa4-0c35-acc3-35ec26bb1ee8	https://echa.europa.eu/documents/10162/fedde563-03f7-51f0-85fd-1fceb0eaa18f	https://echa.europa.eu/documents/10162/41de4b52-51f3-84e9-3f9c-fa6f868139ad	https://echa.europa.eu/documents/10162/2c66d98c-d2a2-e146-265e-b8a1615e5c17	
2-methoxyethyl acetate		203-772-9	110-49-6	Toxic for reproduction (Article 57c)	07/16/19	https://echa.europa.eu/documents/10162/b7bc601c-ad77-4e90-0cdf-2701a59478fb	https://echa.europa.eu/documents/10162/eea50979-c40b-f00f-b767-891e93941ee1	https://echa.europa.eu/documents/10162/874297f1-6d65-b808-a62e-5d23cc5f1e5c	https://echa.europa.eu/documents/10162/7357fc26-f169-a309-95b1-7693dada001b	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
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)	07/16/19	https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832	https://echa.europa.eu/documents/10162/c07bc76c-4d62-7799-d0d4-17e43508aeb0	https://echa.europa.eu/documents/10162/53fa6a5b-e95f-3128-ea9d-fa27f43b18bc	https://echa.europa.eu/documents/10162/5d5500fc-b935-f95c-02c7-d7722d1b795d	The combined intrinsic properties justifying the inclusion for the Member State Committee 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: Persistence, mobility, potential for long-range transport, observed adverse effects (at least the following probable effects for human health: effects on the liver, the kidney, and the haematological and immune systems and effects on development; at least the following probable effects for the environment: population relevant effects on birds and mammals); as well as low adsorption potential and high water solubility rendering the substance fully bioavailable for uptake via (drinking) water. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate		266-578-3	67118-55-2	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)	07/16/19	https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832	https://echa.europa.eu/documents/10162/c07bc76c-4d62-7799-d0d4-17e43508aeb0	https://echa.europa.eu/documents/10162/53fa6a5b-e95f-3128-ea9d-fa27f43b18bc	https://echa.europa.eu/documents/10162/5d5500fc-b935-f95c-02c7-d7722d1b795d	The combined intrinsic properties justifying the inclusion for the Member State Committee 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: Persistence, mobility, potential for long-range transport, observed adverse effects (at least the following probable effects for human health: effects on the liver, the kidney, and the haematological and immune systems and effects on development; at least the following probable effects for the environment: population relevant effects on birds and mammals); as well as low adsorption potential and high water solubility rendering the substance fully bioavailable for uptake via (drinking) water. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid		236-236-8	13252-13-6	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)	07/16/19	https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832	https://echa.europa.eu/documents/10162/c07bc76c-4d62-7799-d0d4-17e43508aeb0	https://echa.europa.eu/documents/10162/53fa6a5b-e95f-3128-ea9d-fa27f43b18bc	https://echa.europa.eu/documents/10162/5d5500fc-b935-f95c-02c7-d7722d1b795d	The combined intrinsic properties justifying the inclusion for the Member State Committee 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: Persistence, mobility, potential for long-range transport, observed adverse effects (at least the following probable effects for human health: effects on the liver, the kidney, and the haematological and immune systems and effects on development; at least the following probable effects for the environment: population relevant effects on birds and mammals); as well as low adsorption potential and high water solubility rendering the substance fully bioavailable for uptake via (drinking) water. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate		-	62037-80-3	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)	07/16/19	https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832	https://echa.europa.eu/documents/10162/c07bc76c-4d62-7799-d0d4-17e43508aeb0	https://echa.europa.eu/documents/10162/53fa6a5b-e95f-3128-ea9d-fa27f43b18bc	https://echa.europa.eu/documents/10162/5d5500fc-b935-f95c-02c7-d7722d1b795d	The combined intrinsic properties justifying the inclusion for the Member State Committee 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: Persistence, mobility, potential for long-range transport, observed adverse effects (at least the following probable effects for human health: effects on the liver, the kidney, and the haematological and immune systems and effects on development; at least the following probable effects for the environment: population relevant effects on birds and mammals); as well as low adsorption potential and high water solubility rendering the substance fully bioavailable for uptake via (drinking) water. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride		218-173-8	2062-98-8	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)	07/16/19	https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832	https://echa.europa.eu/documents/10162/c07bc76c-4d62-7799-d0d4-17e43508aeb0	https://echa.europa.eu/documents/10162/53fa6a5b-e95f-3128-ea9d-fa27f43b18bc	https://echa.europa.eu/documents/10162/5d5500fc-b935-f95c-02c7-d7722d1b795d	The combined intrinsic properties justifying the inclusion for the Member State Committee 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: Persistence, mobility, potential for long-range transport, observed adverse effects (at least the following probable effects for human health: effects on the liver, the kidney, and the haematological and immune systems and effects on development; at least the following probable effects for the environment: population relevant effects on birds and mammals); as well as low adsorption potential and high water solubility rendering the substance fully bioavailable for uptake via (drinking) water. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-		-	75579-40-7	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)	07/16/19	https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832	https://echa.europa.eu/documents/10162/c07bc76c-4d62-7799-d0d4-17e43508aeb0	https://echa.europa.eu/documents/10162/53fa6a5b-e95f-3128-ea9d-fa27f43b18bc	https://echa.europa.eu/documents/10162/5d5500fc-b935-f95c-02c7-d7722d1b795d	The combined intrinsic properties justifying the inclusion for the Member State Committee 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: Persistence, mobility, potential for long-range transport, observed adverse effects (at least the following probable effects for human health: effects on the liver, the kidney, and the haematological and immune systems and effects on development; at least the following probable effects for the environment: population relevant effects on birds and mammals); as well as low adsorption potential and high water solubility rendering the substance fully bioavailable for uptake via (drinking) water. Together, these elements lead to a very high potential for irreversible effects.

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-		-	75579-39-4	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)	07/16/19	https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832	https://echa.europa.eu/documents/10162/c07bc76c-4d62-7799-d0d4-17e43508aeb0	https://echa.europa.eu/documents/10162/53fa6a5b-e95f-3128-ea9d-fa27f43b18bc	https://echa.europa.eu/documents/10162/5d5500fc-b935-f95c-02c7-d7722d1b795d	The combined intrinsic properties justifying the inclusion for the Member State Committee 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: Persistence, mobility, potential for long-range transport, observed adverse effects (at least the following probable effects for human health: effects on the liver, the kidney, and the haematological and immune systems and effects on development; at least the following probable effects for the environment: population relevant effects on birds and mammals); as well as low adsorption potential and high water solubility rendering the substance fully bioavailable for uptake via (drinking) water. Together, these elements lead to a very high potential for irreversible effects.
Pyrene		204-927-3	129-00-0	PBT (Article 57d),vPvB (Article 57e)	01/15/19	https://echa.europa.eu/documents/10162/d6b1b306-6f05-9765-204a-689334527ef9	https://echa.europa.eu/documents/10162/bf9b02a4-6e4b-b1bf-2c58-6d61f5998817	https://echa.europa.eu/documents/10162/47121daf-04a7-6d4a-b0b6-595794d3e66c	https://echa.europa.eu/documents/10162/e824171c-1263-b1a2-4438-c5add37de2fa	
Phenanthrene		201-581-5	1985-01-08	vPvB (Article 57e)	01/15/19	https://echa.europa.eu/documents/10162/91535066-71da-d9b4-71cc-8d4003b7f983	https://echa.europa.eu/documents/10162/efc23200-6f59-12c6-4b18-533a80aa7b4f	https://echa.europa.eu/documents/10162/c62a1c4a-ceec-3a00-52a4-0a298f7d8bb3	https://echa.europa.eu/documents/10162/12db6a91-9ac9-c4f6-4046-d6896ad9b3b2	
Fluoranthene		205-912-4	206-44-0	PBT (Article 57d),vPvB (Article 57e)	01/15/19	https://echa.europa.eu/documents/10162/21272691-d1a0-3334-fde9-a0782d9354a2	https://echa.europa.eu/documents/10162/375e39c4-c59b-bfbd-d156-a1bf2a959108	https://echa.europa.eu/documents/10162/0d1ee6d4-1a47-0737-35c7-3503f0fca417	https://echa.europa.eu/documents/10162/b525e382-e27e-c609-2abf-ddd77d07ec44	
Benzo[k]fluoranthene		205-916-6	0207-08-09	Carcinogenic (Article 57a),PBT (Article 57d),vPvB (Article 57e)	01/15/19	https://echa.europa.eu/documents/10162/afa7d75c-b83f-fef0-ae10-41e70a1e57f7	https://echa.europa.eu/documents/10162/ae8cba56-9884-9e35-34c7-0369a4703600	https://echa.europa.eu/documents/10162/06cc1281-efd9-9845-0215-e6b0c94c94db	https://echa.europa.eu/documents/10162/f72dc11d-5ff2-c4d8-c19c-40ec8dadddac	
2,2-bis(4'-hydroxyphenyl)-4-methylpentane	AP-5	401-720-1	6807-17-6	Toxic for reproduction (Article 57c)	01/15/19	https://echa.europa.eu/documents/10162/562afdb1-00aa-32ab-1022-721917185b12	https://echa.europa.eu/documents/10162/8ec5e70d-db99-d21c-c54b-9de01c41f435	https://echa.europa.eu/documents/10162/76cf3fb1-07eb-ff40-f41c-251f8c657b33	https://echa.europa.eu/documents/10162/26b55c4f-92c0-e4b6-fa1a-973bd625ae0f	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Endocrine disrupting properties (Article 57(f) - environment)	01/15/19	https://echa.europa.eu/documents/10162/db2f223c-20a1-5318-d6b1-7a147d7f08c3,https://echa.europa.eu/documents/10162/56d708da-69e5-a7d1-e970-780352b8ed6a	https://echa.europa.eu/documents/10162/22f73d01-dfc1-15d5-a8fe-a29b460fa108	https://echa.europa.eu/documents/10162/84e7e600-0f73-6a4a-b246-19482576aa20,https://echa.europa.eu/documents/10162/2e1c96ea-2918-90d2-9c23-e07effac4ec9,https://echa.europa.eu/documents/10162/0c80cbbd-998f-b415-f9be-9e3ced41f333	https://echa.europa.eu/documents/10162/ca1d3937-2301-7a43-4b9e-1008ca84d3f6	
Terphenyl, hydrogenated		262-967-7	61788-32-7	vPvB (Article 57e)	06/27/18	https://echa.europa.eu/documents/10162/fc78f7e5-8f8a-de84-1141-499c5e021d31	https://echa.europa.eu/documents/10162/b30abea4-5ba0-e195-f595-a617687ad1c1	https://echa.europa.eu/documents/10162/fb7a9167-7d65-dd4c-2aa2-b8182d4a8e37	https://echa.europa.eu/documents/10162/421a040e-320b-5d39-8582-118bf23054f9	
Octamethylcyclotetrasiloxane	D4	209-136-7	556-67-2	PBT (Article 57d),vPvB (Article 57e)	06/27/18	https://echa.europa.eu/documents/10162/2be7bcbf-f797-c28c-2c67-939664155c7c	https://echa.europa.eu/documents/10162/1c5dc0f3-cd5c-7b71-044a-9167e3b03d99	https://echa.europa.eu/documents/10162/115f70a9-a387-1525-d49f-b715e84996e4	https://echa.europa.eu/documents/10162/e654e7d3-031c-0f5f-eae5-673c1dd03432	
Lead		231-100-4	7439-92-1	Toxic for reproduction (Article 57c)	06/27/18	https://echa.europa.eu/documents/10162/61ac8d81-6ea2-6ad0-ffef-95037c9182ce	https://echa.europa.eu/documents/10162/79eec48e-c0b6-0d58-5218-ddb32ce0d22d	https://echa.europa.eu/documents/10162/07a87920-1b8f-b0d9-b6a7-1c0b1c16c8c4	https://echa.europa.eu/documents/10162/aec05f99-6be1-d615-732f-ec4f68ab66e2	
Ethylenediamine	EDA	203-468-6	107-15-3	Respiratory sensitising properties (Article 57(f) - human health)	06/27/18	https://echa.europa.eu/documents/10162/2ed8a7b4-8e9f-2e3e-407d-819dbdaa1623	https://echa.europa.eu/documents/10162/0fa2b79d-e520-b857-6572-61c49095b5a3	https://echa.europa.eu/documents/10162/f0a61fa4-64d1-2d19-35ed-d98134aec10d	https://echa.europa.eu/documents/10162/060c2b77-ce67-26fd-5117-43c52d6d7188	
Dodecamethylcyclohexasiloxane	D6	208-762-8	540-97-6	PBT (Article 57d),vPvB (Article 57e)	06/27/18	https://echa.europa.eu/documents/10162/b11de9bc-6e60-01f9-cdeb-20fa3b7e864e	https://echa.europa.eu/documents/10162/9061869f-7e55-aaac-9ea5-761b9050a952	https://echa.europa.eu/documents/10162/a9682f4b-fc3e-cd99-3db9-b0f9f383c3c5	https://echa.europa.eu/documents/10162/45532e5e-8bbe-a3ee-bd1c-6c1640984c27	Dodecamethylcyclohexasiloxane (D6) meets the criteria of Article 57 (d) of Regulation (EC) 1907/2006 (REACH) as a substance which is persistent, bioaccumulative and toxic when it contains â‰¥ 0.1 % w/w octamethylcyclotetrasiloxane (D4) (EC No. 209-136-7). In addition to its intrinsic properties, it also meets the criteria of Article 57 (e) of Regulation (EC) 1907/2006 (REACH) as a substance which is very persistent and very bioaccumulative (vPvB) when it contains â‰¥ 0.1 % w/w decamethylcyclopentasiloxane (D5) (EC No. 208-764-9) or â‰¥ 0.1% w/w octamethylcyclotetrasiloxane (D4) (EC No. 209-136-7).

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Disodium octaborate		234-541-0	12008-41-2	Toxic for reproduction (Article 57c)	06/27/18	https://echa.europa.eu/documents/10162/74a5fdff-6a00-d3b4-4056-a5b24ee9ba6e	https://echa.europa.eu/documents/10162/62353089-57f4-c7c7-64f9-291364883323	https://echa.europa.eu/documents/10162/24e48bb3-3a68-1dfa-ef39-6e9f4ef92720	https://echa.europa.eu/documents/10162/da7779d3-8314-7357-b82b-e6044a5dd6be	
Dicyclohexyl phthalate	DCHP	201-545-9	84-61-7	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - human health)	06/27/18	https://echa.europa.eu/documents/10162/8c434af5-cfbe-c87e-aa51-65893e385d1f,https://echa.europa.eu/documents/10162/2fe151f3-d425-cff3-fe31-d13c11afcc7a	https://echa.europa.eu/documents/10162/1be86650-c2d6-326e-1991-735cbf66ecbf	https://echa.europa.eu/documents/10162/919d3291-e835-609a-0800-03f64cda86b5,https://echa.europa.eu/documents/10162/b2995010-92b6-183f-2a3c-e5b823b537c9,https://echa.europa.eu/documents/10162/73c5f83c-3fe6-e1a0-b756-9dfcebf1eb85	https://echa.europa.eu/documents/10162/a0f00120-5e32-7c74-0b7f-9c92f84cb38c	
Decamethylcyclopentasiloxane	D5	208-764-9	0541-02-06	PBT (Article 57d),vPvB (Article 57e)	06/27/18	https://echa.europa.eu/documents/10162/1b8ab766-b3ff-840f-a0bd-f1ade391745d	https://echa.europa.eu/documents/10162/32855182-9c49-d41f-150a-b6a6aa012fff	https://echa.europa.eu/documents/10162/ddd97c9a-fe79-6f50-ff1a-c1d4bf305aab	https://echa.europa.eu/documents/10162/4c47a1f3-3513-d688-6f46-32a4023415a5	Decamethylcyclopentasiloxane (D5) meets the criteria of Article 57 (d) of Regulation (EC) 1907/2006 (REACH) as a substance which is persistent, bioaccumulative and toxic when it contains â‰¥ 0.1 % w/w octamethylcyclotetrasiloxane (D4) (EC No: 209-136-7).
Benzo[ghi]perylene		205-883-8	191-24-2	PBT (Article 57d),vPvB (Article 57e)	06/27/18	https://echa.europa.eu/documents/10162/ef81b8a3-7ec8-1380-d2ff-db1ceae26073	https://echa.europa.eu/documents/10162/16752063-ed16-d532-0418-8613beeceab0	https://echa.europa.eu/documents/10162/b45e78cd-5d70-0dd9-e895-e9fa89ab43d0	https://echa.europa.eu/documents/10162/2d44cd37-2ac3-7cfc-a643-670a075df973	
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	trimellitic anhydride; TMA	209-008-0	552-30-7	Respiratory sensitising properties (Article 57(f) - human health)	06/27/18	https://echa.europa.eu/documents/10162/996c1b49-d6f7-5899-c94a-43a04d98ef94,https://echa.europa.eu/documents/10162/a6547852-e697-84ec-512c-5ba264ecf09e	https://echa.europa.eu/documents/10162/358de08d-e71f-b578-e833-71fec1df75d2	https://echa.europa.eu/documents/10162/c2b11ef6-5ca8-ba78-da4b-38baa59ac416,https://echa.europa.eu/documents/10162/e3f5cdaa-1633-1c3e-a50f-9fae7da39104,https://echa.europa.eu/documents/10162/4a628698-2072-0f8c-336e-4a20965aa7a5	https://echa.europa.eu/documents/10162/63cd8fa3-4a72-4ddb-b4b0-100ef95048e0	
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	with â‰¥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-	Endocrine disrupting properties (Article 57(f) - environment)	01/15/18	https://echa.europa.eu/documents/10162/339e0894-361d-ab6c-615f-7e201376d128	https://echa.europa.eu/documents/10162/c8ea7b6a-06bc-eeaf-ae4d-3d980a6078bc	https://echa.europa.eu/documents/10162/2064f792-8443-873c-27de-eae18f593b59,https://echa.europa.eu/documents/10162/b33d78f4-946c-1d4d-e923-1ade7869c464	https://echa.europa.eu/documents/10162/662821c8-16be-e02e-e52f-6e214b6041d5	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.		-	1471311-26-8	Endocrine disrupting properties (Article 57(f) - environment)	01/15/18	https://echa.europa.eu/documents/10162/339e0894-361d-ab6c-615f-7e201376d128	https://echa.europa.eu/documents/10162/c8ea7b6a-06bc-eeaf-ae4d-3d980a6078bc	https://echa.europa.eu/documents/10162/2064f792-8443-873c-27de-eae18f593b59,https://echa.europa.eu/documents/10162/b33d78f4-946c-1d4d-e923-1ade7869c464	https://echa.europa.eu/documents/10162/662821c8-16be-e02e-e52f-6e214b6041d5	
Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine		300-298-5	93925-00-9	Endocrine disrupting properties (Article 57(f) - environment)	01/15/18	https://echa.europa.eu/documents/10162/339e0894-361d-ab6c-615f-7e201376d128	https://echa.europa.eu/documents/10162/c8ea7b6a-06bc-eeaf-ae4d-3d980a6078bc	https://echa.europa.eu/documents/10162/2064f792-8443-873c-27de-eae18f593b59,https://echa.europa.eu/documents/10162/b33d78f4-946c-1d4d-e923-1ade7869c464	https://echa.europa.eu/documents/10162/662821c8-16be-e02e-e52f-6e214b6041d5	
Chrysene		205-923-4	0218-01-09	Carcinogenic (Article 57a),PBT (Article 57d),vPvB (Article 57e)	01/15/18	https://echa.europa.eu/documents/10162/a7438bc1-a7fd-caef-d74a-ca33fc0f3610	https://echa.europa.eu/documents/10162/2b898da9-812d-8a07-e059-e81d2c2883cb	https://echa.europa.eu/documents/10162/92791ee1-40a6-f4dd-a2fe-927f6f1cb478	https://echa.europa.eu/documents/10162/e3f6792d-7e59-654f-b90e-2149525906cd	
Cadmium nitrate		233-710-6	10325-94-7	Carcinogenic (Article 57a),Mutagenic (Article 57b),Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	01/15/18	https://echa.europa.eu/documents/10162/d1e3a2d5-13a6-c5da-62cf-2d581d94b87d	https://echa.europa.eu/documents/10162/8b38c499-dad0-ee30-11ab-198b55b2e69d	https://echa.europa.eu/documents/10162/ac791555-9e63-3208-e176-cd0fdb4fbdf0	https://echa.europa.eu/documents/10162/264dda83-c2e5-7c7b-0c1f-57a7cc32afe4	
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)	01/15/18	https://echa.europa.eu/documents/10162/deb481e6-b2f3-9792-7d2b-260a1f383dc1	https://echa.europa.eu/documents/10162/d6ad39ad-bbf7-562c-2042-a823ed29cc1e	https://echa.europa.eu/documents/10162/38688481-353e-bac2-e83e-68f4c772aac7	https://echa.europa.eu/documents/10162/0252778f-258a-2b3d-7765-0291f9fe3c45	
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)	01/15/18	https://echa.europa.eu/documents/10162/53cefde3-40e9-8d3d-b52d-87a9d828871d	https://echa.europa.eu/documents/10162/31f9a47b-191c-526e-0446-f10162fd312c	https://echa.europa.eu/documents/10162/acc7ace6-0118-6d74-4446-38f5bbe0b6b6	https://echa.europa.eu/documents/10162/c26799d3-6187-0494-1cc4-af9c9645b1b3	
Benz[a]anthracene		200-280-6	56-55-3	Carcinogenic (Article 57a),PBT (Article 57d),vPvB (Article 57e)	01/15/18	https://echa.europa.eu/documents/10162/6adbea83-2790-92a4-06cd-ce39c4bf3211	https://echa.europa.eu/documents/10162/7d8ac604-d716-4a97-8682-d3d5e5c4158f	https://echa.europa.eu/documents/10162/75ad552f-1e59-2599-e379-55ecec998d3f	https://echa.europa.eu/documents/10162/efef93e7-63f5-75b8-9f6e-d260b0c595ab	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (â€œDechlorane Plusâ€•â„¢)	covering any of its individual anti- and syn-isomers or any combination thereof	-	-	vPvB (Article 57e)	01/15/18	https://echa.europa.eu/documents/10162/48495b62-d4d3-e6fc-bf86-f42fd4f2e6dc	https://echa.europa.eu/documents/10162/78fb98fd-a8e7-31a3-f910-f2bad587d8a6	https://echa.europa.eu/documents/10162/9aa77dde-f0fc-4422-2c00-55b620e57552,https://echa.europa.eu/documents/10162/97b3c3bf-f38a-f3e2-6b53-45654bcc02dc	https://echa.europa.eu/documents/10162/72b812a4-77eb-be74-c5bb-694b20017d58	
(1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1â•¶¦,â•¹.0Â²,Â¹Â³.0â•µ,Â¹â•°]octadeca-7,15-diene		-	4749-03-03	vPvB (Article 57e)	01/15/18	https://echa.europa.eu/documents/10162/48495b62-d4d3-e6fc-bf86-f42fd4f2e6dc	https://echa.europa.eu/documents/10162/78fb98fd-a8e7-31a3-f910-f2bad587d8a6	https://echa.europa.eu/documents/10162/9aa77dde-f0fc-4422-2c00-55b620e57552,https://echa.europa.eu/documents/10162/97b3c3bf-f38a-f3e2-6b53-45654bcc02dc	https://echa.europa.eu/documents/10162/72b812a4-77eb-be74-c5bb-694b20017d58	
1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene		236-948-9	13560-89-9	vPvB (Article 57e)	01/15/18	https://echa.europa.eu/documents/10162/48495b62-d4d3-e6fc-bf86-f42fd4f2e6dc	https://echa.europa.eu/documents/10162/78fb98fd-a8e7-31a3-f910-f2bad587d8a6	https://echa.europa.eu/documents/10162/9aa77dde-f0fc-4422-2c00-55b620e57552,https://echa.europa.eu/documents/10162/97b3c3bf-f38a-f3e2-6b53-45654bcc02dc	https://echa.europa.eu/documents/10162/72b812a4-77eb-be74-c5bb-694b20017d58	
(1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1â•¶¦,â•¹.0Â²,Â¹Â³.0â•µ,Â¹â•°]octadeca-7,15-diene		-	135821-74-8	vPvB (Article 57e)	01/15/18	https://echa.europa.eu/documents/10162/48495b62-d4d3-e6fc-bf86-f42fd4f2e6dc	https://echa.europa.eu/documents/10162/78fb98fd-a8e7-31a3-f910-f2bad587d8a6	https://echa.europa.eu/documents/10162/9aa77dde-f0fc-4422-2c00-55b620e57552,https://echa.europa.eu/documents/10162/97b3c3bf-f38a-f3e2-6b53-45654bcc02dc	https://echa.europa.eu/documents/10162/72b812a4-77eb-be74-c5bb-694b20017d58	
rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene		-	-	vPvB (Article 57e)	01/15/18	https://echa.europa.eu/documents/10162/48495b62-d4d3-e6fc-bf86-f42fd4f2e6dc	https://echa.europa.eu/documents/10162/78fb98fd-a8e7-31a3-f910-f2bad587d8a6	https://echa.europa.eu/documents/10162/9aa77dde-f0fc-4422-2c00-55b620e57552,https://echa.europa.eu/documents/10162/97b3c3bf-f38a-f3e2-6b53-45654bcc02dc	https://echa.europa.eu/documents/10162/72b812a4-77eb-be74-c5bb-694b20017d58	
rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene		-	-	vPvB (Article 57e)	01/15/18	https://echa.europa.eu/documents/10162/48495b62-d4d3-e6fc-bf86-f42fd4f2e6dc	https://echa.europa.eu/documents/10162/78fb98fd-a8e7-31a3-f910-f2bad587d8a6	https://echa.europa.eu/documents/10162/9aa77dde-f0fc-4422-2c00-55b620e57552,https://echa.europa.eu/documents/10162/97b3c3bf-f38a-f3e2-6b53-45654bcc02dc	https://echa.europa.eu/documents/10162/72b812a4-77eb-be74-c5bb-694b20017d58	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Perfluorohexane-1-sulphonic acid and its salts	PFHxS	-	-	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)		274-462-9	70225-16-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
ammonium perfluorohexane-1-sulphonate		269-511-6	2723-08-05	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
potassium perfluorohexane-1-sulphonate		223-393-2	3871-99-6	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
perfluorohexane-1-sulphonic acid		206-587-1	355-46-4	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt		-	70136-72-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)		-	72033-41-1	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt		-	16846-12-05	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)		-	866621-50-3	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	910606-39-2	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	911027-68-4	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate		-	911027-69-5	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)		-	92011-17-1	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	928049-42-7	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	1310480-24-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)		-	55120-77-9	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	1310480-28-4	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)		-	1329995-45-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)		-	1329995-69-8	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	13044-10-09	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	1462414-59-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6 -tridecafluoro-1-hexanes ulfonate (1:1)		-	153443-35-7	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6 -tridecafluoro-1-hexanes ulfonic acid (1:1)		-	189274-31-5	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6 -tridecafluoro-, compd.with 2-methyl-2-propanamin e (1:1)		-	202189-84-2	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Iodonium, bis[4-(1,1-dimethylethyl) phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6 -tridecafluoro-1-hexanes ulfonate (1:1)		-	213740-81-9	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6 -tridecafluoro-, gallium salt (9CI)		-	341035-71-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Sulfonium, bis(4-methylphenyl)phe nyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6 -tridecafluoro-1-hexanes ulfonate (1:1)		-	341548-85-4	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)		-	350836-93-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)		-	41184-65-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)		-	41242-12-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)		-	421555-73-9	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic		-	421555-74-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	425670-70-8	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)		-	1187817-57-7	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate		-	108427-55-0	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate		-	108427-54-9	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	1000597-52-3	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		-	1310480-27-3	vPvB (Article 57e)	07/07/17	https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4887-7ea77bedc637	https://echa.europa.eu/documents/10162/a118329d-6a4f-f820-bbc0-94c640c0a9fa	https://echa.europa.eu/documents/10162/149c1af7-6375-9ad5-a141-ec53d76b4707,https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee	https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2	
p-(1,1-dimethylpropyl)phenol		201-280-9	80-46-6	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/c11b5b68-67f4-8044-53a6-26759a106c80	https://echa.europa.eu/documents/10162/c6fa630c-af6f-0df1-8f5d-ec0b890e58a3	https://echa.europa.eu/documents/10162/02d37927-a27f-fa9b-d8de-bc3c3a46799f	https://echa.europa.eu/documents/10162/d19dd624-e601-fbae-dd35-036f9335aef9	
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts		-	-	Toxic for reproduction (Article 57c),PBT (Article 57d)	01/12/17	https://echa.europa.eu/documents/10162/df3daa02-0c97-2c3a-2c7b-90c267642086	https://echa.europa.eu/documents/10162/a1000164-695a-311d-3eb0-71c09e92dc84	https://echa.europa.eu/documents/10162/48c9acdc-7474-b256-e8cb-b0c6c1e5f2d0	https://echa.europa.eu/documents/10162/71f60a29-6e2a-f20f-e79a-58d11056df2f	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Nonadecafluorodecanoic acid		206-400-3	335-76-2	Toxic for reproduction (Article 57c),PBT (Article 57d)	01/12/17	https://echa.europa.eu/documents/10162/df3daa02-0c97-2c3a-2c7b-90c267642086	https://echa.europa.eu/documents/10162/a1000164-695a-311d-3eb0-71c09e92dc84	https://echa.europa.eu/documents/10162/48c9acdc-7474-b256-e8cb-b0c6c1e5f2d0	https://echa.europa.eu/documents/10162/71f60a29-6e2a-f20f-e79a-58d11056df2f	
sodium nonadecafluorodecanoate		-	3830-45-3	Toxic for reproduction (Article 57c),PBT (Article 57d)	01/12/17	https://echa.europa.eu/documents/10162/df3daa02-0c97-2c3a-2c7b-90c267642086	https://echa.europa.eu/documents/10162/a1000164-695a-311d-3eb0-71c09e92dc84	https://echa.europa.eu/documents/10162/48c9acdc-7474-b256-e8cb-b0c6c1e5f2d0	https://echa.europa.eu/documents/10162/71f60a29-6e2a-f20f-e79a-58d11056df2f	
Ammonium nonadecafluorodecanoate		221-470-5	3108-42-7	Toxic for reproduction (Article 57c),PBT (Article 57d)	01/12/17	https://echa.europa.eu/documents/10162/df3daa02-0c97-2c3a-2c7b-90c267642086	https://echa.europa.eu/documents/10162/a1000164-695a-311d-3eb0-71c09e92dc84	https://echa.europa.eu/documents/10162/48c9acdc-7474-b256-e8cb-b0c6c1e5f2d0	https://echa.europa.eu/documents/10162/71f60a29-6e2a-f20f-e79a-58d11056df2f	
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	-	-	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
Phenol, heptyl derivs.		276-743-1	7088-02-03	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-heptylphenol		217-862-0	1987-50-4	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(3-ethylpentan-3-yl)phenol		-	37872-24-5	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
4-(2-methylhexan-2-yl)phenol		-	30784-31-7	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(3,3-dimethylpentan-2-yl)phenol		-	911371-06-7	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(3-methylhexan-2-yl)phenol		-	854904-93-1	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(4,4-dimethylpentan-2-yl)phenol		-	911371-07-8	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(4-methylhexan-2-yl)phenol		-	71945-81-8	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(5-methylhexan-2-yl)phenol		-	857629-71-1	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
4-(2,2-dimethylpentan-3-yl)phenol		-	861010-65-3	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
Phenol, 4-(1-ethyl-1,2-dimethylpropyl)-		-	30784-27-1	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(heptan-3-yl)phenol		-	6465-74-3	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(heptan-2-yl)phenol		-	6863-24-7	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(heptan-4-yl)phenol		-	6465-71-0	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(3-ethylpentyl)phenol		-	911370-98-4	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
4-(3-methylhexyl)phenol		-	102570-52-5	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(4-methylhexyl)phenol		-	1139800-98-8	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(5-methylhexyl)phenol		-	100532-36-3	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(2,4-dimethylpentan-3-yl)phenol		-	1824346-00-0	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(2,3-dimethylpentan-2-yl)phenol		-	861011-60-1	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(3-methylhexan-3-yl)phenol		-	30784-32-8	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Phenol, 4-tert-heptyl-		-	26720-02-08	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(2,4-dimethylpentan-2-yl)phenol		-	33104-11-9	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(2,3,3-trimethylbutan-2-yl)phenol		-	7325-06-04	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4-(5-methylhexan-3-yl)phenol		-	854904-92-0	Endocrine disrupting properties (Article 57(f) - environment)	01/12/17	https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91	https://echa.europa.eu/documents/10162/32f515fd-4785-d96a-5394-ace770b72b97	https://echa.europa.eu/documents/10162/9ec084eb-b304-e40b-acd4-23761f9bb6cd,https://echa.europa.eu/documents/10162/8501ed51-1cc7-1ab6-7b4f-4d6e6e0c65df	https://echa.europa.eu/documents/10162/d70e2c1c-c5b8-4570-4f7c-57d6a3f2c39f	
4,4'-isopropylidenediphenol	Bisphenol A; BPA	201-245-8	1980-05-07	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - environment),Endocrine disrupting properties (Article 57(f) - human health)	01/12/17	https://echa.europa.eu/documents/10162/36834f25-582c-0855-37fb-bd20b409382c,https://echa.europa.eu/documents/10162/eeed2c09-2263-25ad-49cd-a0926736c877,https://echa.europa.eu/documents/10162/ede153a4-db00-daf6-120f-6b6ccce0c539	https://echa.europa.eu/documents/10162/a6dc6937-ccec-1024-8282-8304a76549fa	https://echa.europa.eu/documents/10162/b10d6a00-8e47-9b14-4f61-c779a8dc8450,https://echa.europa.eu/documents/10162/908badc9-e65d-3bae-933a-3512a9262e59,https://echa.europa.eu/documents/10162/769b2777-19cd-9fff-33c4-54fe6d8290d5	https://echa.europa.eu/documents/10162/9abf8b9b-9f39-f9fb-ad06-6f90ed3a7a5e,https://echa.europa.eu/documents/10162/fef2066e-2d2b-677b-71c9-2ea81f517ada,https://echa.europa.eu/documents/10162/4b8caa8c-125d-c1d2-fb59-06b2f0545fbb	
Benzo[def]chrysene (Benzo[a]pyrene)		200-028-5	50-32-8	Carcinogenic (Article 57a),Mutagenic (Article 57b),Toxic for reproduction (Article 57c),PBT (Article 57d),vPvB (Article 57e)	06/20/16	https://echa.europa.eu/documents/10162/4b054c5b-8511-4a30-8ef8-35ab143b4fd0	https://echa.europa.eu/documents/10162/75ad6d26-78d9-4903-b06a-cf69953713dc	https://echa.europa.eu/documents/10162/985e117f-38e2-4d45-9d0c-94413dd0462e	https://echa.europa.eu/documents/10162/040bf73f-9e4f-57c7-d32b-43bd8880702d	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Perfluorononan-1-oic-acid and its sodium and ammonium salts		-	-	Toxic for reproduction (Article 57c),PBT (Article 57d)	12/17/15	https://echa.europa.eu/documents/10162/725df6cb-070c-48c9-89a5-500ee2dabe16	https://echa.europa.eu/documents/10162/2aa67f6e-621e-4337-84aa-076f0de11f4e	https://echa.europa.eu/documents/10162/48ae5fe3-9436-4a10-a533-ed642b92ce47	https://echa.europa.eu/documents/10162/d6543a35-481d-c564-314b-e2080bb787b6	
Perfluorononan-1-oic-acid		206-801-3	375-95-1	Toxic for reproduction (Article 57c),PBT (Article 57d)	12/17/15	https://echa.europa.eu/documents/10162/725df6cb-070c-48c9-89a5-500ee2dabe16	https://echa.europa.eu/documents/10162/2aa67f6e-621e-4337-84aa-076f0de11f4e	https://echa.europa.eu/documents/10162/48ae5fe3-9436-4a10-a533-ed642b92ce47	https://echa.europa.eu/documents/10162/d6543a35-481d-c564-314b-e2080bb787b6	
Sodium salts of perfluorononan-1-oic-acid		-	21049-39-8	Toxic for reproduction (Article 57c),PBT (Article 57d)	12/17/15	https://echa.europa.eu/documents/10162/725df6cb-070c-48c9-89a5-500ee2dabe16	https://echa.europa.eu/documents/10162/2aa67f6e-621e-4337-84aa-076f0de11f4e	https://echa.europa.eu/documents/10162/48ae5fe3-9436-4a10-a533-ed642b92ce47	https://echa.europa.eu/documents/10162/d6543a35-481d-c564-314b-e2080bb787b6	
Ammonium salts of perfluorononan-1-oic-acid		-	4149-60-4	Toxic for reproduction (Article 57c),PBT (Article 57d)	12/17/15	https://echa.europa.eu/documents/10162/725df6cb-070c-48c9-89a5-500ee2dabe16	https://echa.europa.eu/documents/10162/2aa67f6e-621e-4337-84aa-076f0de11f4e	https://echa.europa.eu/documents/10162/48ae5fe3-9436-4a10-a533-ed642b92ce47	https://echa.europa.eu/documents/10162/d6543a35-481d-c564-314b-e2080bb787b6	
Nitrobenzene		202-716-0	98-95-3	Toxic for reproduction (Article 57c)	12/17/15	https://echa.europa.eu/documents/10162/bcde2926-a00e-4389-8e48-67122bceba67	https://echa.europa.eu/documents/10162/d51c9722-aed2-47a0-8356-831db2066b0a	https://echa.europa.eu/documents/10162/d71ba080-df7e-42e6-a76f-4eec3880ebe5	https://echa.europa.eu/documents/10162/d0e3c2a3-d273-70ee-3191-d939681c22f4	
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)		253-037-1	36437-37-3	vPvB (Article 57e)	12/17/15	https://echa.europa.eu/documents/10162/aca017f7-ce9f-4bce-a991-7c9e911a3ddd	https://echa.europa.eu/documents/10162/2721734c-c482-493b-82e8-3b4d131a6507	https://echa.europa.eu/documents/10162/13121440-8260-4e04-bc10-5dcad34c7ac0	https://echa.europa.eu/documents/10162/118b1880-d7bc-b1ed-3539-bf39a3fda3bb	
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)		223-383-8	3864-99-1	vPvB (Article 57e)	12/17/15	https://echa.europa.eu/documents/10162/86a55090-a222-4389-83d6-4859f9efb875	https://echa.europa.eu/documents/10162/b9c11f35-3120-4aa0-abec-d80c9aeb3786	https://echa.europa.eu/documents/10162/5d71b975-bba0-482d-9a5e-a102c7a0fc0d	https://echa.europa.eu/documents/10162/2a1e557b-3091-610d-3175-3b08da084dbd	
1,3-propanesultone		214-317-9	1120-71-4	Carcinogenic (Article 57a)	12/17/15	https://echa.europa.eu/documents/10162/513d6dfe-b82b-a513-687a-d7a8ce6e8a59	https://echa.europa.eu/documents/10162/ab2bd960-50e9-44b4-a02d-4a3c9a622bdc	https://echa.europa.eu/documents/10162/08f7169e-1697-4323-b13a-b037046eff96	https://echa.europa.eu/documents/10162/22a7e514-1415-8815-b17d-a91d4e671812	
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]	covering any of the individual stereoisomers of [1] and [2] or any combination thereof	-	-	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-		-	186309-28-4	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	-	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel-		-	16254-04-03	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		-	21007-09-02	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel-		-	16254-05-04	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		-	21007-04-07	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		-	21007-08-01	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		-	21007-03-06	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		-	676367-07-0	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		-	21007-02-05	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		-	21007-06-09	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		413-720-9	-	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-		-	117933-89-8	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane		-	-	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	-	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		-	21007-05-08	vPvB (Article 57e)	06/15/15	https://echa.europa.eu/documents/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4	https://echa.europa.eu/documents/10162/c87c2930-58af-20dd-8394-afcd0d96ee3f	https://echa.europa.eu/documents/10162/a4fac134-09e6-43c1-a65f-dfaee5f85731	https://echa.europa.eu/documents/10162/8831bc31-c2e0-f702-ef41-fb3a49ec0789	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	with â‰¥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	-	-	Toxic for reproduction (Article 57c)	06/15/15	https://echa.europa.eu/documents/10162/af844510-0d70-6a9e-4fd5-714632a0f988	https://echa.europa.eu/documents/10162/0d1991c8-23cf-4779-9e08-b9208bd40338,https://echa.europa.eu/documents/10162/f5495229-3f8c-4321-817c-dd498912310e	https://echa.europa.eu/documents/10162/2b4a5011-39c9-4eb0-9309-9aa6b10981ab	https://echa.europa.eu/documents/10162/c79982ce-adc9-d5c8-e42a-d8bc025c9f93	
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters		272-013-1	68648-93-1	Toxic for reproduction (Article 57c)	06/15/15	https://echa.europa.eu/documents/10162/af844510-0d70-6a9e-4fd5-714632a0f988	https://echa.europa.eu/documents/10162/0d1991c8-23cf-4779-9e08-b9208bd40338,https://echa.europa.eu/documents/10162/f5495229-3f8c-4321-817c-dd498912310e	https://echa.europa.eu/documents/10162/2b4a5011-39c9-4eb0-9309-9aa6b10981ab	https://echa.europa.eu/documents/10162/c79982ce-adc9-d5c8-e42a-d8bc025c9f93	
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters		271-094-0	68515-51-5	Toxic for reproduction (Article 57c)	06/15/15	https://echa.europa.eu/documents/10162/af844510-0d70-6a9e-4fd5-714632a0f988	https://echa.europa.eu/documents/10162/0d1991c8-23cf-4779-9e08-b9208bd40338,https://echa.europa.eu/documents/10162/f5495229-3f8c-4321-817c-dd498912310e	https://echa.europa.eu/documents/10162/2b4a5011-39c9-4eb0-9309-9aa6b10981ab	https://echa.europa.eu/documents/10162/c79982ce-adc9-d5c8-e42a-d8bc025c9f93	
Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)		-	-	Toxic for reproduction (Article 57c)	12/17/14	https://echa.europa.eu/documents/10162/917a0639-8b9d-43ce-802c-b4e82a7f20e3	https://echa.europa.eu/documents/10162/371b4814-2cbd-429d-88b9-905c19d0d299	https://echa.europa.eu/documents/10162/a410b50c-11f9-49ca-9e8f-54f2a674b032	https://echa.europa.eu/documents/10162/ba3a1dda-f1bb-0323-6067-257f1d310652	
Cadmium sulphate		233-331-6	10124-36-4, 31119-53-6	Carcinogenic (Article 57a),Mutagenic (Article 57b),Toxic for reproduction (Article 57c),Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	12/17/14	https://echa.europa.eu/documents/10162/9e3c41d5-088a-47e7-944a-2ccb112493b3	https://echa.europa.eu/documents/10162/bbe26e5b-facf-4668-bc8c-38a175be4c62	https://echa.europa.eu/documents/10162/037ede8d-4f3a-030c-8663-8b04336272ad	https://echa.europa.eu/documents/10162/8418e3af-5df2-d281-49bf-5ce691521e86	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Cadmium fluoride		232-222-0	7790-79-6	Carcinogenic (Article 57a),Mutagenic (Article 57b),Toxic for reproduction (Article 57c),Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	12/17/14	https://echa.europa.eu/documents/10162/e333469a-fca7-48c2-a88f-52eaa8e7ad7e	https://echa.europa.eu/documents/10162/0bba6429-659f-448b-9623-c6737291a3b1	https://echa.europa.eu/documents/10162/6eb02b71-b691-4b53-b0f1-c8c68b2b3083	https://echa.europa.eu/documents/10162/c185b4bd-150f-f36b-d3a4-48cf45d1e5fb	
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		239-622-4	15571-58-1	Toxic for reproduction (Article 57c)	12/17/14	https://echa.europa.eu/documents/10162/8f7e275c-c02c-4357-90d9-59a37b14337a	https://echa.europa.eu/documents/10162/0a3e8564-b077-46a7-a90e-2f59f458932f	https://echa.europa.eu/documents/10162/04d23d27-3484-48c9-862c-0637e30642a1	https://echa.europa.eu/documents/10162/80eac049-4076-f96d-cd11-0d8477cb12dc	
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)		223-346-6	3846-71-7	PBT (Article 57d),vPvB (Article 57e)	12/17/14	https://echa.europa.eu/documents/10162/27d9317d-3aeb-41d5-9116-1e07696d90cd	https://echa.europa.eu/documents/10162/96387d49-cb01-423c-bd6e-927a7b6c434f	https://echa.europa.eu/documents/10162/33c375a1-c4de-4f14-a143-cff986175d76	https://echa.europa.eu/documents/10162/6ac88f0e-1962-78d3-a7ed-cfb4f89b9aa7	
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)		247-384-8	25973-55-1	PBT (Article 57d),vPvB (Article 57e)	12/17/14	https://echa.europa.eu/documents/10162/c6a0c43b-adba-4351-a093-66b36d470de3	https://echa.europa.eu/documents/10162/0ca781ed-adf7-4d40-95b7-a7ea17543f5c	https://echa.europa.eu/documents/10162/31f2c070-ad6f-4de9-b17d-402eedb05eac	https://echa.europa.eu/documents/10162/e324f17f-e945-74ac-a7ea-9471cc2bfdec	
Sodium peroxometaborate		231-556-4	7632-04-04	Toxic for reproduction (Article 57c)	06/16/14	https://echa.europa.eu/documents/10162/55e1c126-a528-440f-8c10-49a31b82eda3	https://echa.europa.eu/documents/10162/59b315b3-efb1-4ffa-b4bb-3c2c1259da45	https://echa.europa.eu/documents/10162/46e192c7-457f-43fc-b93f-14d2ce0347f9	https://echa.europa.eu/documents/10162/993ec24b-d88d-8fc4-97af-6c71fca118fa	
Sodium perborate, perboric acid, sodium salt		-	-	Toxic for reproduction (Article 57c)	06/16/14	https://echa.europa.eu/documents/10162/b5ae52f9-bb66-62b5-9950-242db987ec5a	https://echa.europa.eu/documents/10162/ec145926-d7d2-a584-9c82-e325a05367a3	https://echa.europa.eu/documents/10162/42fee5a3-e00e-e554-30cb-66a735d4fe9e	https://echa.europa.eu/documents/10162/3af316eb-892a-abf5-48c2-b26c6f0351b5	
Perboric acid, sodium salt		234-390-0	11138-47-9	Toxic for reproduction (Article 57c)	06/16/14	https://echa.europa.eu/documents/10162/b5ae52f9-bb66-62b5-9950-242db987ec5a	https://echa.europa.eu/documents/10162/ec145926-d7d2-a584-9c82-e325a05367a3	https://echa.europa.eu/documents/10162/42fee5a3-e00e-e554-30cb-66a735d4fe9e	https://echa.europa.eu/documents/10162/3af316eb-892a-abf5-48c2-b26c6f0351b5	
Sodium perborate		239-172-9	15120-21-5	Toxic for reproduction (Article 57c)	06/16/14	https://echa.europa.eu/documents/10162/b5ae52f9-bb66-62b5-9950-242db987ec5a	https://echa.europa.eu/documents/10162/ec145926-d7d2-a584-9c82-e325a05367a3	https://echa.europa.eu/documents/10162/42fee5a3-e00e-e554-30cb-66a735d4fe9e	https://echa.europa.eu/documents/10162/3af316eb-892a-abf5-48c2-b26c6f0351b5	
Perboric acid (H3BO2(O2)), monosodium salt, trihydrate		-	13517-20-9	Toxic for reproduction (Article 57c)	06/16/14	https://echa.europa.eu/documents/10162/b5ae52f9-bb66-62b5-9950-242db987ec5a	https://echa.europa.eu/documents/10162/ec145926-d7d2-a584-9c82-e325a05367a3	https://echa.europa.eu/documents/10162/42fee5a3-e00e-e554-30cb-66a735d4fe9e	https://echa.europa.eu/documents/10162/3af316eb-892a-abf5-48c2-b26c6f0351b5	
Borate(2-), tetrahydroxybis[Î¼-(peroxy-ÎºO1:ÎºO2)]di-, sodium, hydrate (1:2:6)		-	125022-34-6	Toxic for reproduction (Article 57c)	06/16/14	https://echa.europa.eu/documents/10162/b5ae52f9-bb66-62b5-9950-242db987ec5a	https://echa.europa.eu/documents/10162/ec145926-d7d2-a584-9c82-e325a05367a3	https://echa.europa.eu/documents/10162/42fee5a3-e00e-e554-30cb-66a735d4fe9e	https://echa.europa.eu/documents/10162/3af316eb-892a-abf5-48c2-b26c6f0351b5	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Borate(2-), tetrahydroxybis[Î¼-(peroxy-ÎºO1:ÎºO2)]di-, sodium (1:2)		-	90568-23-3	Toxic for reproduction (Article 57c)	06/16/14	https://echa.europa.eu/documents/10162/b5ae52f9-bb66-62b5-9950-242db987ec5a	https://echa.europa.eu/documents/10162/ec145926-d7d2-a584-9c82-e325a05367a3	https://echa.europa.eu/documents/10162/42fee5a3-e00e-e554-30cb-66a735d4fe9e	https://echa.europa.eu/documents/10162/3af316eb-892a-abf5-48c2-b26c6f0351b5	
Cadmium chloride		233-296-7	10108-64-2	Carcinogenic (Article 57a),Mutagenic (Article 57b),Toxic for reproduction (Article 57c),Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	06/16/14	https://echa.europa.eu/documents/10162/e2bc867c-de85-4d6d-a9d6-d856ab51685c	https://echa.europa.eu/documents/10162/a7d0fcf7-deb2-402e-af3b-c3b1759615f9	https://echa.europa.eu/documents/10162/a210c4dd-6ef4-4f76-9fd9-5b35a7482c1b	https://echa.europa.eu/documents/10162/dc9015af-635b-c359-b9d4-56d7725b9d58	
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		271-093-5	68515-50-4	Toxic for reproduction (Article 57c)	06/16/14	https://echa.europa.eu/documents/10162/34533e6e-84d2-4a40-815d-7a02dac17041	https://echa.europa.eu/documents/10162/4ffa71cf-34d5-4968-9b46-58d2398a211a	https://echa.europa.eu/documents/10162/f2fc61d4-7e23-4a9a-a52d-10ae36e9987e	https://echa.europa.eu/documents/10162/e4456f95-477d-9cf9-2fcb-3db6f05ca8ab	
Trixylyl phosphate		246-677-8	25155-23-1	Toxic for reproduction (Article 57c)	12/16/13	https://echa.europa.eu/documents/10162/464f639f-6e07-4966-b63a-081ac8040e63	https://echa.europa.eu/documents/10162/e764d667-57dc-4956-8628-6245f36d5552	https://echa.europa.eu/documents/10162/aa428e86-ed97-4450-8e78-cdbb06e46c8f	https://echa.europa.eu/documents/10162/3e37f35a-48a7-7ce9-a97d-7659def7e080	
Lead di(acetate)		206-104-4	0301-04-02	Toxic for reproduction (Article 57c)	12/16/13	https://echa.europa.eu/documents/10162/ff4184dc-c595-4dc8-8241-941c073f2221	https://echa.europa.eu/documents/10162/86ace337-8153-47fb-b0b0-8193c621c433	https://echa.europa.eu/documents/10162/49fa197b-8a06-4d92-abf4-f40ad0a6f815	https://echa.europa.eu/documents/10162/c0a30142-49b9-a857-0d20-e1a6f6da0525	
Imidazolidine-2-thione (2-imidazoline-2-thiol)		202-506-9	96-45-7	Toxic for reproduction (Article 57c)	12/16/13	https://echa.europa.eu/documents/10162/e01d8301-5596-4905-98ad-f17eb9455241	https://echa.europa.eu/documents/10162/85a2311e-2252-4f8a-b987-451846cee286	https://echa.europa.eu/documents/10162/24751f9c-5206-4190-bcc9-3ca9418e0e31	https://echa.europa.eu/documents/10162/f6d7dd12-593f-57e5-8026-a2f9cccf561f	
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)		217-710-3	1937-37-7	Carcinogenic (Article 57a)	12/16/13	https://echa.europa.eu/documents/10162/6ab9d8cb-2d82-4dba-a68b-8752a00c4c76	https://echa.europa.eu/documents/10162/d04de1ae-26e0-45ac-969c-259a0cdd5338	https://echa.europa.eu/documents/10162/ef1f3daa-fc8b-4bf5-8bd1-71e80a2adf62	https://echa.europa.eu/documents/10162/2261c554-cdf2-4ed1-9205-e54d68d6e20f	
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)		209-358-4	573-58-0	Carcinogenic (Article 57a)	12/16/13	https://echa.europa.eu/documents/10162/f9d799e8-5a32-44d1-b383-4c9695085cbf	https://echa.europa.eu/documents/10162/fd83a2e5-21ca-4ec4-a4d2-2465637f90c0	https://echa.europa.eu/documents/10162/cf3a4398-3305-424e-ab1e-a02fbc548431	https://echa.europa.eu/documents/10162/e306453a-92c1-0aa9-469d-acde10267249	
Dihexyl phthalate		201-559-5	84-75-3	Toxic for reproduction (Article 57c)	12/16/13	https://echa.europa.eu/documents/10162/d90bb47a-7e33-43c3-82ad-18a55d39d502	https://echa.europa.eu/documents/10162/eecf78d5-f23d-44b0-a3db-0357c698ae4b	https://echa.europa.eu/documents/10162/65336c46-c178-4b71-a927-15437e8b303a	https://echa.europa.eu/documents/10162/fa40d148-4f2d-9cbe-7295-c2ada7db7356	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Cadmium sulphide		215-147-8	1306-23-6	Carcinogenic (Article 57a),Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	12/16/13	https://echa.europa.eu/documents/10162/204bc9fa-0673-4753-bd0e-e3503b4a1956	https://echa.europa.eu/documents/10162/f30a9a9a-9ce1-429e-96fb-7f24fe4de850	https://echa.europa.eu/documents/10162/2aceee75-6b50-416c-aa30-d3131c5eeee3	https://echa.europa.eu/documents/10162/8cce0a23-b9bf-a13d-afa1-a42e946b4390	
Pentadecafluorooctanoic acid (PFOA)		206-397-9	335-67-1	Toxic for reproduction (Article 57c),PBT (Article 57d)	06/20/13	https://echa.europa.eu/documents/10162/092663e6-b14a-4a06-aadf-fc0e56bc0a23	https://echa.europa.eu/documents/10162/facda3f9-a050-4f29-91f1-358175b67a39	https://echa.europa.eu/documents/10162/8059e342-1092-410f-bd85-80118a5526f5	https://echa.europa.eu/documents/10162/730a8511-d866-e91a-d3ad-1f700ea36b8b	
Dipentyl phthalate (DPP)		205-017-9	131-18-0	Toxic for reproduction (Article 57c)	06/20/13	https://echa.europa.eu/documents/10162/365998db-beb8-47b6-b080-ca5549397cd9	https://echa.europa.eu/documents/10162/8a80cf7b-cce9-4152-89f4-e8ad58ce6fde	https://echa.europa.eu/documents/10162/11bbf18f-02ac-4b12-a715-056df904057c	https://echa.europa.eu/documents/10162/7f0bea3d-3432-0528-6f36-53f3a2bef27a	
Cadmium oxide		215-146-2	1306-19-0	Carcinogenic (Article 57a),Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	06/20/13	https://echa.europa.eu/documents/10162/2fb75d7e-485c-4edb-8c72-4204f224bbca	https://echa.europa.eu/documents/10162/a03b1b4e-3090-455e-9cb0-1dc52005f7c0	https://echa.europa.eu/documents/10162/f09f23c5-98fc-4e56-abc2-feae96de0f3d	https://echa.europa.eu/documents/10162/cf1074c6-b588-f914-90aa-85f885d3c8a4	
Cadmium		231-152-8	7440-43-9	Carcinogenic (Article 57a),Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	06/20/13	https://echa.europa.eu/documents/10162/49a335ae-1ec4-40e5-88fb-3b08702da95c	https://echa.europa.eu/documents/10162/b252eefb-8012-46bb-8a47-74ff66a0a8d4	https://echa.europa.eu/documents/10162/a048359b-de39-4b7e-8602-51272a55aeae	https://echa.europa.eu/documents/10162/a852ca1e-50fb-c3a4-f14d-2fee19c69701	
Ammonium pentadecafluorooctanoate (APFO)		223-320-4	3825-26-1	Toxic for reproduction (Article 57c),PBT (Article 57d)	06/20/13	https://echa.europa.eu/documents/10162/b06436fd-6367-4a2f-b6a2-2b8ffa183ae9	https://echa.europa.eu/documents/10162/df602a5b-2df3-490f-ad1c-e2e782ad7dc9	https://echa.europa.eu/documents/10162/5e2c1e53-be98-4104-8b96-9cd88655a92a	https://echa.europa.eu/documents/10162/8cf84645-353d-7cb2-bdc3-c44d12e19c84	
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	-	-	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Nonylphenol, ethoxylated (6,5-EO)		-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan -1-ol		-	14409-72-4	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		248-743-1	27942-27-4	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Nonylphenol, branched, ethoxylated	1 - 2.5 moles ethoxylated	500-209-1	68412-54-4	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
4-Nonylphenol, ethoxylated	1 - 2.5 moles ethoxylated	500-045-0	26027-38-3	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Nonylphenol, ethoxylated		500-024-6	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Nonylphenol, ethoxylated (8-EO)		-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Poly(oxy-1,2-ethanediyl), Î±-(nonylphenyl)-Ï‰-hydroxy-, branched		-	68412-54-4	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Poly (oxy-1,2-ethanediyl), alpha -(nonylphenyl)-omega-hydroxy-, branched		-	68412-54-4	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol		230-770-5	7311-27-5	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Nonylphenol, ethoxylated (15-EO)		-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Nonylphenol, ethoxylated (10-EO)		-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
2-[2-(4-nonylphenoxy)ethoxy]ethanol		243-816-4	20427-84-3	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Nonylphenolpolyglycolether		-	-	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol		-	1119449-37-4	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol		-	1119449-38-5	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
2-(4-nonylphenoxy)ethanol		-	104-35-8	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
4-t-Nonylphenol-diethoxylate		-	25537-10-08	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-		-	20636-48-0	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Nonylphenol, ethoxylated (polymer)		-	-	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Nonylphenol, ethoxylated (EO = 4)		939-975-0	-	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Nonylphenol, ethoxylated (EO = 10)		-	-	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaoxatetratetracontanol		260-678-0	57321-10-5	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
4-Nonylphenol, branched, ethoxylated	1 - 2.5 moles ethoxylated	500-315-8	127087-87-0	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol		-	34166-38-6	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Isononylphenol, ethoxylated		-	37205-87-1	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy- (CAS 9016-45-9)		-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched		293-926-1	91648-64-5	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
2-(isononylphenoxy)ethanol		284-987-5	85005-55-6	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		265-785-6	65455-69-8	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol		255-695-5	42173-90-0	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
2-(nonylphenoxy)ethanol		248-762-5	27986-36-3	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
29-(nonylphenoxy)-3,6,9,12,15,18,21,24,27-nonaoxanonacosanol		248-294-1	27177-08-08	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaoxatricosan-1-ol		248-293-6	27177-05-05	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		248-292-0	27177-03-03	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
2-[2-(nonylphenoxy)ethoxy]ethanol		248-291-5	27176-93-8	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol		247-816-5	26571-11-09	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol		247-555-7	26264-02-08	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
4-Nonylphenol, branched, ethoxylated		-	127087-87-0	Endocrine disrupting properties (Article 57(f) - environment)	06/20/13	https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9	https://echa.europa.eu/documents/10162/90d219f2-cd83-4e2b-bb9e-3ed6d5ff91bf	https://echa.europa.eu/documents/10162/9af34d5f-cd2f-4e63-859c-529bb39da7ae,https://echa.europa.eu/documents/10162/33836bb4-e6b9-b686-1dc9-e8618ee32db5	https://echa.europa.eu/documents/10162/0ef7af92-b74c-b38b-aa95-3730bf89372d	
Trilead dioxide phosphonate		235-252-2	12141-20-7	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/af3610a5-f180-4fcd-95b7-636e43da9198	https://echa.europa.eu/documents/10162/57804b85-bfe3-4fb3-ba6e-85681ae9a946	https://echa.europa.eu/documents/10162/0b3bffdb-ee49-4d1d-9ef7-7e1aeed13818	https://echa.europa.eu/documents/10162/e890ef44-027b-69a9-123e-020a2e1ed3fd	
Trilead bis(carbonate) dihydroxide		215-290-6	1319-46-6	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/bd13bb56-cf5a-4eee-b7a2-367ba3838e86	https://echa.europa.eu/documents/10162/e8388e88-796e-48d6-b857-92e1de8cba7b	https://echa.europa.eu/documents/10162/4641a546-af85-9bd7-f550-8a6269bd02f8	https://echa.europa.eu/documents/10162/2620a423-631b-ddac-0985-f657f444b4be	
Tricosafluorododecanoic acid		206-203-2	307-55-1	vPvB (Article 57e)	12/19/12	https://echa.europa.eu/documents/10162/dd827b99-e744-4d49-84c3-00b82732059b	https://echa.europa.eu/documents/10162/10982bb6-eb4f-4b49-8ae2-934e051c4227	https://echa.europa.eu/documents/10162/44fd0731-2211-0216-b984-e3cd0f32d5ca	https://echa.europa.eu/documents/10162/ed8c31e6-8c70-9a9f-6861-06cd4d493c09	
Tetralead trioxide sulphate		235-380-9	12202-17-4	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/f56110e1-a0d6-4a1e-8c7d-9940d5ec8d91	https://echa.europa.eu/documents/10162/08f78ab7-6708-418d-ab77-adf1100ab429	https://echa.europa.eu/documents/10162/735b9afe-5a6a-41d2-9b7b-7758ec3c5702	https://echa.europa.eu/documents/10162/1339c831-6e8e-da3a-a622-55892c08ebc0	
Tetraethyllead		201-075-4	78-00-2	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/0b417b76-b533-42a1-9bd2-519f1dc1990d	https://echa.europa.eu/documents/10162/118d71ba-5734-45ac-9dfe-ab74edca7803	https://echa.europa.eu/documents/10162/136a8d6e-ebac-4000-8183-ad9176fd134b	https://echa.europa.eu/documents/10162/35c5243b-558d-85ff-94f8-e54babec4986	
Sulfurous acid, lead salt, dibasic		263-467-1	62229-08-7	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/486d5d7c-c872-48cf-9392-e86ecff34c04	https://echa.europa.eu/documents/10162/44b75647-0300-4836-a312-f11ba9574ece	https://echa.europa.eu/documents/10162/cc6c0ca7-538e-4a5b-88fe-b1a635241a45	https://echa.europa.eu/documents/10162/679974d0-99da-fb52-5344-70942eaf0b21	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Silicic acid, lead salt		234-363-3	11120-22-2	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/a7314719-5b08-47ef-9ee7-daca71e06f54	https://echa.europa.eu/documents/10162/8a921407-3b0f-471a-a684-131dfba77523	https://echa.europa.eu/documents/10162/13a5f189-b83e-e1b4-b201-084b82fd7a68	https://echa.europa.eu/documents/10162/426137d8-a88b-d850-0610-3eab583446ad	
Silicic acid (H2Si2O5), barium salt (1:1), lead-doped	with lead (Pb) content above the applicable generic concentration limit for â€™toxicity for reproductionâ€™ 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	272-271-5	68784-75-8	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/6bd3a623-dcbc-43ff-a5fa-8f710fc4053b	https://echa.europa.eu/documents/10162/d0de0c48-5768-4589-8dd4-dbcafce8e7dd	https://echa.europa.eu/documents/10162/ca9a6d0f-2618-bf67-6c3b-63bc706422bc	https://echa.europa.eu/documents/10162/602a0aad-a902-c5b7-421b-56a30dc89a4a	
Pyrochlore, antimony lead yellow	-	232-382-1	8012-00-8	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/9e101a56-02e0-481f-babb-e4f62d36912b	https://echa.europa.eu/documents/10162/3da568db-d1e1-4082-b0c7-78246ccb1489	https://echa.europa.eu/documents/10162/1014fa88-d28e-4385-8530-fe2c38032c27	https://echa.europa.eu/documents/10162/d19da13c-65ed-6bcc-6922-e499ef3caba7	
Pentalead tetraoxide sulphate		235-067-7	12065-90-6	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/664946a7-1fba-487d-8d28-f47de7fb3a5c	https://echa.europa.eu/documents/10162/adc19a74-9ef0-4920-93c5-0b25d600b8c4	https://echa.europa.eu/documents/10162/5a790e77-efd4-4c56-84bb-b00a92b732b4	https://echa.europa.eu/documents/10162/690d1df2-8058-e37f-235f-ca184e88ea88	
Pentacosafluorotridecanoic acid		276-745-2	72629-94-8	vPvB (Article 57e)	12/19/12	https://echa.europa.eu/documents/10162/0df4a67b-03ac-4468-b6b5-6526237f92ba	https://echa.europa.eu/documents/10162/111dde32-185d-4e50-9112-5c1c019b920a	https://echa.europa.eu/documents/10162/4894dac8-608d-c1ab-2473-f67e2e314d39	https://echa.europa.eu/documents/10162/b2524815-0623-1a5e-6bea-1f908ea9123f	
Orange lead (lead tetroxide)		215-235-6	1314-41-6	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/97af2122-f294-472c-9cc8-978f116c6929	https://echa.europa.eu/documents/10162/aab36e2a-90e2-46b0-b940-07e4cf119f05	https://echa.europa.eu/documents/10162/28065aee-33ca-5892-0d45-484e326f6700	https://echa.europa.eu/documents/10162/9d2032aa-9839-6ab3-dc80-3b9227d496b0	
o-toluidine		202-429-0	95-53-4	Carcinogenic (Article 57a)	12/19/12	https://echa.europa.eu/documents/10162/953517bb-4055-4a5b-9ed7-4bb69c3b96e7	https://echa.europa.eu/documents/10162/c4e9db39-8285-48d9-87b3-29c15c861802	https://echa.europa.eu/documents/10162/2963ade6-f093-4c8c-b9b2-604f538a3131	https://echa.europa.eu/documents/10162/40cff30c-61e5-7020-5613-2c1960a359f0	
o-aminoazotoluene		202-591-2	97-56-3	Carcinogenic (Article 57a)	12/19/12	https://echa.europa.eu/documents/10162/d7aaf254-b61a-48a2-9f03-9c49bd0164c1	https://echa.europa.eu/documents/10162/d1a365c6-34d1-4fda-81c7-09c7f4b07a77	https://echa.europa.eu/documents/10162/b94dedbc-8af4-4223-b68e-fcddccee3119	https://echa.europa.eu/documents/10162/6b9044f3-d941-fb0d-096b-286a4dd77761	
n-pentyl-isopentyl phthalate		-	776297-69-9	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/d54fc5db-a2c6-4b1c-9000-e398645ad294	https://echa.europa.eu/documents/10162/c33869fc-43f1-44c2-812f-0c6ad82104c6	https://echa.europa.eu/documents/10162/73ef6184-8578-44dc-ac23-8034f1db5471	https://echa.europa.eu/documents/10162/604ad38f-b652-c9af-2d99-88eba89b1809	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
N-methylacetamide		201-182-6	79-16-3	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/2d6d4c98-5c55-41ff-89e0-6557aed1c003	https://echa.europa.eu/documents/10162/cd5a3079-1069-4f2f-815c-a628714f76a7	https://echa.europa.eu/documents/10162/df25f106-5e4c-4f4b-baed-fc2251e9d233	https://echa.europa.eu/documents/10162/45f25c3e-6382-15e2-b6cc-d981bb3caa0f	
N,N-dimethylformamide		200-679-5	1968-12-02	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/52c73750-c192-457c-9c48-2bd9776cec88	https://echa.europa.eu/documents/10162/e3a1814f-6a8c-4c02-858e-74f98d525824	https://echa.europa.eu/documents/10162/64875a92-e9c1-3d65-6722-0fab6c7283b3	https://echa.europa.eu/documents/10162/f9d62a48-e855-fb93-e3dc-aa5187fabd7f	
Methyloxirane (Propylene oxide)		200-879-2	75-56-9	Carcinogenic (Article 57a),Mutagenic (Article 57b)	12/19/12	https://echa.europa.eu/documents/10162/005a9afb-2a53-41df-8711-5c28765c6e6b	https://echa.europa.eu/documents/10162/38636e85-49ef-4b37-890c-65ba488e7521	https://echa.europa.eu/documents/10162/60dbe57-a21b-4420-9e9a-33780223b72e	https://echa.europa.eu/documents/10162/0d327156-85d3-bcf9-7b7c-96e26eaa10c9	
Methoxyacetic acid		210-894-6	625-45-6	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/afb7a0e1-9222-4385-88cf-71c0b06191d0	https://echa.europa.eu/documents/10162/2a9e3fcd-2243-4357-b837-9532235a307f	https://echa.europa.eu/documents/10162/0be0390a-a33a-d8f0-7aa5-5fee34deff20	https://echa.europa.eu/documents/10162/280be7f8-c3f1-1589-ddaa-a203f59faad7	
Lead titanium zirconium oxide		235-727-4	12626-81-2	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/01818c6d-bcc9-4136-9eec-888823ae5fb0	https://echa.europa.eu/documents/10162/b655b355-0ced-4795-a2d2-76c912c7acca	https://echa.europa.eu/documents/10162/319be01e-c34d-7d76-1b3a-7e463c763751	https://echa.europa.eu/documents/10162/fedc8ac1-2c73-5364-2e71-4bde22939b55	
Lead titanium trioxide		235-038-9	12060-00-3	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/933f22c2-cfa6-4126-b0a5-3ba33ce75487	https://echa.europa.eu/documents/10162/d69baa79-6ed9-4c3e-9aed-584577c19696	https://echa.europa.eu/documents/10162/a1fbea0a-5718-38cc-c08a-66341ecb969e	https://echa.europa.eu/documents/10162/c5034009-0357-8d59-0128-23c99dddeb4b	
Lead oxide sulfate		234-853-7	12036-76-9	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/23bfbbe6-9985-42fe-b401-a7df81ec12cc	https://echa.europa.eu/documents/10162/50822d59-490c-4e01-88c3-c8ff8d2d389a	https://echa.europa.eu/documents/10162/0362e7d9-bcb5-41bc-945c-19365594480f	https://echa.europa.eu/documents/10162/58651835-2c5c-28bb-0653-9e13a2f98666	
Lead monoxide (lead oxide)		215-267-0	1317-36-8	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/ea71029e-f8de-4e5d-a393-6961aefd6e14	https://echa.europa.eu/documents/10162/86c143a2-eb69-44bd-9710-73ab2aca57fc	https://echa.europa.eu/documents/10162/229a3cca-ceeb-101d-1247-2e824784f473	https://echa.europa.eu/documents/10162/e456243a-65e4-5d07-6332-fd323cdd406e	
Lead dinitrate		233-245-9	10099-74-8	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/e1c55ba4-1f9a-4633-b4c3-fdaba005b095	https://echa.europa.eu/documents/10162/97c17507-b6bc-42d7-8aac-59c0c0e9c21b	https://echa.europa.eu/documents/10162/be340ca-8d1e-488f-8b49-35063b0054b3	https://echa.europa.eu/documents/10162/c3be9101-a646-b11c-7aaa-427d650ea242	
Lead cyanamidate		244-073-9	20837-86-9	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/a6f8212c-590f-469a-b6c1-f40f234e4518	https://echa.europa.eu/documents/10162/0225706b-6dbf-4b6f-94f8-fa3e8fc24ff6	https://echa.europa.eu/documents/10162/7f3131c3-b63f-49e8-9717-68dc7883b549	https://echa.europa.eu/documents/10162/1f7fc65b-4cfc-ebc2-f9ac-73d043977553	
Lead bis(tetrafluoroborate)		237-486-0	13814-96-5	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/56f43ea4-a623-4d5e-b741-fee1fef7e771	https://echa.europa.eu/documents/10162/0d9b7449-9ec1-4c1e-a117-294cccc4aa9d	https://echa.europa.eu/documents/10162/3d78e51f-bd96-fd06-4cd4-9d268d040478	https://echa.europa.eu/documents/10162/5257f061-6e42-e233-84f3-1904b0529ce0	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Hexahydromethylphthalic anhydride	including cis- and trans-stereo isomeric forms and all possible combinations of the isomers	-	-	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/81052549-dd49-40b5-9388-b5a72a1a3fb3	https://echa.europa.eu/documents/10162/bd282c4d-91b6-4537-9f27-b65a5fccbd48,https://echa.europa.eu/documents/10162/670b8e64-298e-4ed7-939f-67da04164a42,https://echa.europa.eu/documents/10162/7e96ce49-1e77-4333-8e0e-35892531aa5c,https://echa.europa.eu/documents/10162/081b759a-1aae-42d9-9f62-4051fb9187bc	https://echa.europa.eu/documents/10162/abbc92cc-984a-16e1-efce-37b665ecb79a	https://echa.europa.eu/documents/10162/723209fe-d033-bc5e-b307-9066ccf0426d	
Hexahydro-1-methylphthalic anhydride		256-356-4	48122-14-1	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/81052549-dd49-40b5-9388-b5a72a1a3fb3	https://echa.europa.eu/documents/10162/bd282c4d-91b6-4537-9f27-b65a5fccbd48,https://echa.europa.eu/documents/10162/670b8e64-298e-4ed7-939f-67da04164a42,https://echa.europa.eu/documents/10162/7e96ce49-1e77-4333-8e0e-35892531aa5c,https://echa.europa.eu/documents/10162/081b759a-1aae-42d9-9f62-4051fb9187bc	https://echa.europa.eu/documents/10162/abbc92cc-984a-16e1-efce-37b665ecb79a	https://echa.europa.eu/documents/10162/723209fe-d033-bc5e-b307-9066ccf0426d	
Hexahydro-3-methylphthalic anhydride		260-566-1	57110-29-9	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/81052549-dd49-40b5-9388-b5a72a1a3fb3	https://echa.europa.eu/documents/10162/bd282c4d-91b6-4537-9f27-b65a5fccbd48,https://echa.europa.eu/documents/10162/670b8e64-298e-4ed7-939f-67da04164a42,https://echa.europa.eu/documents/10162/7e96ce49-1e77-4333-8e0e-35892531aa5c,https://echa.europa.eu/documents/10162/081b759a-1aae-42d9-9f62-4051fb9187bc	https://echa.europa.eu/documents/10162/abbc92cc-984a-16e1-efce-37b665ecb79a	https://echa.europa.eu/documents/10162/723209fe-d033-bc5e-b307-9066ccf0426d	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Hexahydro-4-methylphthalic anhydride		243-072-0	19438-60-9	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/81052549-dd49-40b5-9388-b5a72a1a3fb3	https://echa.europa.eu/documents/10162/bd282c4d-91b6-4537-9f27-b65a5fccbd48,https://echa.europa.eu/documents/10162/670b8e64-298e-4ed7-939f-67da04164a42,https://echa.europa.eu/documents/10162/7e96ce49-1e77-4333-8e0e-35892531aa5c,https://echa.europa.eu/documents/10162/081b759a-1aae-42d9-9f62-4051fb9187bc	https://echa.europa.eu/documents/10162/abbc92cc-984a-16e1-efce-37b665ecb79a	https://echa.europa.eu/documents/10162/723209fe-d033-bc5e-b307-9066ccf0426d	
Hexahydromethylphthalic anhydride		247-094-1	25550-51-0	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/81052549-dd49-40b5-9388-b5a72a1a3fb3	https://echa.europa.eu/documents/10162/bd282c4d-91b6-4537-9f27-b65a5fccbd48,https://echa.europa.eu/documents/10162/670b8e64-298e-4ed7-939f-67da04164a42,https://echa.europa.eu/documents/10162/7e96ce49-1e77-4333-8e0e-35892531aa5c,https://echa.europa.eu/documents/10162/081b759a-1aae-42d9-9f62-4051fb9187bc	https://echa.europa.eu/documents/10162/abbc92cc-984a-16e1-efce-37b665ecb79a	https://echa.europa.eu/documents/10162/723209fe-d033-bc5e-b307-9066ccf0426d	
Heptacosafluorotetradecanoic acid		206-803-4	0376-06-07	vPvB (Article 57e)	12/19/12	https://echa.europa.eu/documents/10162/bb2caa51-1bcc-407b-b587-91d4ac23b564	https://echa.europa.eu/documents/10162/de2ad408-ea06-484e-9015-ac6af581863c	https://echa.europa.eu/documents/10162/08046ee8-0933-a564-0df2-da48cda2bc6b	https://echa.europa.eu/documents/10162/76c2d4f3-1d2e-f263-c819-74f4373a976c	
Henicosafluoroundecanoic acid		218-165-4	2058-94-8	vPvB (Article 57e)	12/19/12	https://echa.europa.eu/documents/10162/02881bec-75ad-4e83-a9bb-c9f6dc81042e	https://echa.europa.eu/documents/10162/60adb1fb-d001-4a2a-b8bf-a0e05e29d156	https://echa.europa.eu/documents/10162/9bcff514-6625-baa9-edd9-80ee9e82c86a	https://echa.europa.eu/documents/10162/bd48b5f6-b407-60e1-f06e-76dd605d92ae	
Furan		203-727-3	110-00-9	Carcinogenic (Article 57a)	12/19/12	https://echa.europa.eu/documents/10162/1986ed9a-a382-4409-8faf-abd0f9af440a	https://echa.europa.eu/documents/10162/f2a41a5f-68db-44e9-a925-2446de4ec9b1	https://echa.europa.eu/documents/10162/8ab8b38b-26e8-49b7-9f04-b83c457023ec	https://echa.europa.eu/documents/10162/783a7398-0b23-d9ab-4afb-da6a77d2dfcb	
Fatty acids, C16-18, lead salts		292-966-7	91031-62-8	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/7f59b681-ee89-484b-bec2-3412f3f7d0e5	https://echa.europa.eu/documents/10162/575f1c14-49f5-4a3d-9368-ebbb989edcf4	https://echa.europa.eu/documents/10162/13e375d0-709b-4203-b851-7cb5e0a87c80	https://echa.europa.eu/documents/10162/6e6bc1b6-4695-bfb6-8746-445a90dad5ff	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Dioxobis(stearato)trilead		235-702-8	12578-12-0	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/b3332ac2-958d-4b79-86be-12a13f9cd8c8	https://echa.europa.eu/documents/10162/2b533763-b36b-481c-a7b2-ff28b898d343	https://echa.europa.eu/documents/10162/01088b8d-0195-44cf-8760-f1797c18e789	https://echa.europa.eu/documents/10162/3ce25576-1795-cda5-ea46-acdb9741089a	
Dinoseb (6-sec-butyl-2,4-dinitrophenol)		201-861-7	88-85-7	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/b23de2c1-7142-43ec-9fba-ee150ed98bb1	https://echa.europa.eu/documents/10162/876747a8-aa98-42f4-bf6c-7ca2be3fed59	https://echa.europa.eu/documents/10162/34ec55f2-27d2-47d6-94f1-d39acaf3634f	https://echa.europa.eu/documents/10162/f90845a4-dc67-9a63-a3cb-57787b8b97e3	
Dimethyl sulphate		201-058-1	77-78-1	Carcinogenic (Article 57a)	12/19/12	https://echa.europa.eu/documents/10162/40a80d81-ac48-4ce6-891c-53b7a3779646	https://echa.europa.eu/documents/10162/5182ed44-1e76-4374-898d-0e8cef94f7cb	https://echa.europa.eu/documents/10162/8fcaf1f0-ea6d-4ec8-a129-f0405def7c33	https://echa.europa.eu/documents/10162/4e7ad358-f6e0-ea83-0681-94a9e414f29b	
Diisopentyl phthalate		210-088-4	605-50-5	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/917ec7f1-d611-4dad-8cf7-36c1ca07a400	https://echa.europa.eu/documents/10162/cf490b69-0c28-453b-a531-e8c2ad32d22c	https://echa.europa.eu/documents/10162/34d906a5-2558-4faa-ba85-65a765aef016	https://echa.europa.eu/documents/10162/5836c6ce-0043-af59-0755-2f8262791d64	
Diethyl sulphate		200-589-6	64-67-5	Carcinogenic (Article 57a),Mutagenic (Article 57b)	12/19/12	https://echa.europa.eu/documents/10162/3f6a4989-b155-4827-abfc-51e3fa7e352d	https://echa.europa.eu/documents/10162/296efee3-75ed-4ead-a79c-28a3f48d2d90	https://echa.europa.eu/documents/10162/470b7f44-e538-40b0-9110-4575a5726d14	https://echa.europa.eu/documents/10162/27b4f21d-3bb0-bde6-d9ba-4faadc87aaab	
Dibutyltin dichloride (DBTC)		211-670-0	683-18-1	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/046189d5-908b-447f-b91b-b3f97c9de5b5	https://echa.europa.eu/documents/10162/f06ebc42-a92c-43a4-828a-a7c95ea2c961	https://echa.europa.eu/documents/10162/2cbcb185-4207-1270-7189-6b9009db7b45	https://echa.europa.eu/documents/10162/f92c8584-d0c2-ebb6-58a6-135b7f3d6f07	
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)		204-650-8	123-77-3	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/4739d799-2888-4031-b3eb-73a9d475347b	https://echa.europa.eu/documents/10162/055d66a6-9924-4386-900c-62c52c42bc62	https://echa.europa.eu/documents/10162/a8f3a173-0bb2-cb27-d9ae-fafe356c329c	https://echa.europa.eu/documents/10162/b9b09f2a-7230-5ddc-921e-9b0de3c6a956	
Cyclohexane-1,2-dicarboxylic anhydride	all possible combinations of the cis- and trans-isomers	-	-	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/b7a93309-0b81-4dbf-90e0-859bc0f41ce4	https://echa.europa.eu/documents/10162/542f4e26-c203-4587-a498-fbf33c9edeba,https://echa.europa.eu/documents/10162/d0d33d3f-8361-48a5-b5a9-5db91928b4c5,https://echa.europa.eu/documents/10162/dca0c593-37d7-4257-9ad9-14059e525771	https://echa.europa.eu/documents/10162/555606e7-97e2-592e-c100-03f5639a82f4	https://echa.europa.eu/documents/10162/acfa14cb-0ed3-5a82-5366-964eeaab14cb	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
cis-cyclohexane-1,2-dicarboxylic anhydride		236-086-3	13149-00-3	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/b7a93309-0b81-4dbf-90e0-859bc0f41ce4	https://echa.europa.eu/documents/10162/542f4e26-c203-4587-a498-fbf33c9edeba,https://echa.europa.eu/documents/10162/d0d33d3f-8361-48a5-b5a9-5db91928b4c5,https://echa.europa.eu/documents/10162/dca0c593-37d7-4257-9ad9-14059e525771	https://echa.europa.eu/documents/10162/555606e7-97e2-592e-c100-03f5639a82f4	https://echa.europa.eu/documents/10162/acfa14cb-0ed3-5a82-5366-964eeaab14cb	
Cyclohexane-1,2-dicarboxylic anhydride		201-604-9	85-42-7	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/b7a93309-0b81-4dbf-90e0-859bc0f41ce4	https://echa.europa.eu/documents/10162/542f4e26-c203-4587-a498-fbf33c9edeba,https://echa.europa.eu/documents/10162/d0d33d3f-8361-48a5-b5a9-5db91928b4c5,https://echa.europa.eu/documents/10162/dca0c593-37d7-4257-9ad9-14059e525771	https://echa.europa.eu/documents/10162/555606e7-97e2-592e-c100-03f5639a82f4	https://echa.europa.eu/documents/10162/acfa14cb-0ed3-5a82-5366-964eeaab14cb	
trans-cyclohexane-1,2-dicarboxylic anhydride		238-009-9	14166-21-3	Respiratory sensitising properties (Article 57(f) - human health)	12/19/12	https://echa.europa.eu/documents/10162/b7a93309-0b81-4dbf-90e0-859bc0f41ce4	https://echa.europa.eu/documents/10162/542f4e26-c203-4587-a498-fbf33c9edeba,https://echa.europa.eu/documents/10162/d0d33d3f-8361-48a5-b5a9-5db91928b4c5,https://echa.europa.eu/documents/10162/dca0c593-37d7-4257-9ad9-14059e525771	https://echa.europa.eu/documents/10162/555606e7-97e2-592e-c100-03f5639a82f4	https://echa.europa.eu/documents/10162/acfa14cb-0ed3-5a82-5366-964eeaab14cb	
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)		214-604-9	1163-19-5	PBT (Article 57d),vPvB (Article 57e)	12/19/12	https://echa.europa.eu/documents/10162/7de8998e-c87a-4fa6-82fa-927fffb0fe79	https://echa.europa.eu/documents/10162/64b5b9c4-c549-4254-a917-0ff1b7c9fa1b	https://echa.europa.eu/documents/10162/046e853b-03a0-99e4-a682-f5842bef9a1c	https://echa.europa.eu/documents/10162/f919b5a9-8dac-e913-a862-a87cb5e00787	
Biphenyl-4-ylamine		202-177-1	92-67-1	Carcinogenic (Article 57a)	12/19/12	https://echa.europa.eu/documents/10162/cefb8a85-ed61-4751-a722-2b3510d5f7a0	https://echa.europa.eu/documents/10162/22458f36-2a5f-4c1c-83b8-b8a9c45bda95	https://echa.europa.eu/documents/10162/9d518786-9c9a-4d61-b841-45ff84ed54cc	https://echa.europa.eu/documents/10162/1520b492-61af-d235-ffb1-532532fd8c5b	
Acetic acid, lead salt, basic		257-175-3	51404-69-4	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/a68aa6d7-bc05-4f79-9445-4dd0ecabc1bb	https://echa.europa.eu/documents/10162/5848ac0e-7286-4ec4-9185-49042cf54408	https://echa.europa.eu/documents/10162/e27fbdcb-b252-4912-8965-a5bb89711203	https://echa.europa.eu/documents/10162/32f33799-9835-71d0-b0d2-be45c318decc	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
[Phthalato(2-)]dioxotrilead		273-688-5	3475-06-09	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/490c7cfa-ae94-48a0-83c9-99bc3c0a5e13	https://echa.europa.eu/documents/10162/430ee50c-c98e-4e96-a689-d556fdd06665	https://echa.europa.eu/documents/10162/e91058f4-7ab4-4648-91e3-3220f7ee6e8c	https://echa.europa.eu/documents/10162/8b848bd8-4151-2f61-c674-7da51d88aa8f	
6-methoxy-m-toluidine (p-cresidine)		204-419-1	120-71-8	Carcinogenic (Article 57a)	12/19/12	https://echa.europa.eu/documents/10162/251a17a0-cc98-4151-9b3f-3526c667a90e	https://echa.europa.eu/documents/10162/5c6a3acb-99f9-4561-a0a5-47b33f13c1f0	https://echa.europa.eu/documents/10162/9ee4bdb4-62a8-4ff5-a4f0-f0ced371f88f	https://echa.europa.eu/documents/10162/691261ea-6df2-8037-1230-7bdc04b1494c	
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	-	-	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
p-nonylphenol		203-199-4	104-40-5	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
4-(1-ethyl-1-methylhexyl)phenol		257-907-1	52427-13-1	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
4-(1-Ethyl-1,4-dimethylpentyl)phenol		-	142731-63-3	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
4-(1-Ethyl-1,3-dimethylpentyl)phenol		-	186825-36-5	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Phenol, 4-nonyl-, branched		284-325-5	84852-15-3	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
p-(1,1-dimethylheptyl)phenol		250-339-5	30784-30-6	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
p-(1-methyloctyl)phenol		241-427-4	17404-66-9	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
p-isononylphenol		247-770-6	26543-97-5	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
Phenol, nonyl-, branched		291-844-0	24945-04-02	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
4-(1,1,5-Trimethylhexyl) phenol		-	521947-27-3	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Nonylphenol		246-672-0	25154-52-3	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
4-(3-ethylheptan-2-yl)phenol		-	186825-39-8	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
Isononylphenol		234-284-4	11066-49-2	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/dea74d46-dc8e-4b10-947b-51a19d890153	https://echa.europa.eu/documents/10162/80751a04-fdb3-4bef-aabe-cc49da2a1148	https://echa.europa.eu/documents/10162/bc140e0b-b407-fd1c-f750-6d43c99f82a4,https://echa.europa.eu/documents/10162/3b60b4bc-0376-a9ea-bffd-65da8e2c9602	https://echa.europa.eu/documents/10162/1984ccdb-3321-2890-c598-5735786e5eb2	
4-methyl-m-phenylenediamine (toluene-2,4-diamine)		202-453-1	95-80-7	Carcinogenic (Article 57a)	12/19/12	https://echa.europa.eu/documents/10162/e7bb9247-f300-4887-9565-574dad453b71	https://echa.europa.eu/documents/10162/0ffceb1b-180c-4965-a526-0b2d4b73c675	https://echa.europa.eu/documents/10162/98b66e79-3f52-4792-aa74-1e9a1c674db4	https://echa.europa.eu/documents/10162/b73979f8-961d-dc60-232e-2a8b4626e547	
4-aminoazobenzene		200-453-6	1960-09-03	Carcinogenic (Article 57a)	12/19/12	https://echa.europa.eu/documents/10162/9cf3cd45-97d2-455a-a58b-86d721fb4f54	https://echa.europa.eu/documents/10162/4740aca7-2e63-4f48-adf0-8c98bb12244c	https://echa.europa.eu/documents/10162/bd560d2d-2ea1-4e93-950f-cca356500dbb	https://echa.europa.eu/documents/10162/1ec37243-f332-a43a-fc36-9aac9cbd485a	
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	covering well-defined substances and UVCB substances, polymers and homologues	-	-	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/b823f588-7c35-4bad-9e3c-b639b627df8f	https://echa.europa.eu/documents/10162/f6ae4ec7-0a73-45eb-bafb-43e37bd3b42e	https://echa.europa.eu/documents/10162/430c2613-588f-8b08-8a72-df4013727ef8	https://echa.europa.eu/documents/10162/e3830756-209a-a21c-95ea-fad990b6748a	
20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol		219-682-8	2497-59-8	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/b823f588-7c35-4bad-9e3c-b639b627df8f	https://echa.europa.eu/documents/10162/f6ae4ec7-0a73-45eb-bafb-43e37bd3b42e	https://echa.europa.eu/documents/10162/430c2613-588f-8b08-8a72-df4013727ef8	https://echa.europa.eu/documents/10162/e3830756-209a-a21c-95ea-fad990b6748a	
Poly(oxy-1,2-ethanediyl), Î±-[(1,1,3,3-tetramethylbutyl)phenyl]-Ï‰-hydroxy-		-	9036-19-5	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/b823f588-7c35-4bad-9e3c-b639b627df8f	https://echa.europa.eu/documents/10162/f6ae4ec7-0a73-45eb-bafb-43e37bd3b42e	https://echa.europa.eu/documents/10162/430c2613-588f-8b08-8a72-df4013727ef8	https://echa.europa.eu/documents/10162/e3830756-209a-a21c-95ea-fad990b6748a	
2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol		-	2315-67-5	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/b823f588-7c35-4bad-9e3c-b639b627df8f	https://echa.europa.eu/documents/10162/f6ae4ec7-0a73-45eb-bafb-43e37bd3b42e	https://echa.europa.eu/documents/10162/430c2613-588f-8b08-8a72-df4013727ef8	https://echa.europa.eu/documents/10162/e3830756-209a-a21c-95ea-fad990b6748a	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol		-	2315-61-9	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/b823f588-7c35-4bad-9e3c-b639b627df8f	https://echa.europa.eu/documents/10162/f6ae4ec7-0a73-45eb-bafb-43e37bd3b42e	https://echa.europa.eu/documents/10162/430c2613-588f-8b08-8a72-df4013727ef8	https://echa.europa.eu/documents/10162/e3830756-209a-a21c-95ea-fad990b6748a	
Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether		-	9002-93-1	Endocrine disrupting properties (Article 57(f) - environment)	12/19/12	https://echa.europa.eu/documents/10162/b823f588-7c35-4bad-9e3c-b639b627df8f	https://echa.europa.eu/documents/10162/f6ae4ec7-0a73-45eb-bafb-43e37bd3b42e	https://echa.europa.eu/documents/10162/430c2613-588f-8b08-8a72-df4013727ef8	https://echa.europa.eu/documents/10162/e3830756-209a-a21c-95ea-fad990b6748a	
4,4'-oxydianiline and its salts		-	-	Carcinogenic (Article 57a),Mutagenic (Article 57b)	12/19/12	https://echa.europa.eu/documents/10162/7e13f20e-aa4c-4ab9-9b57-f0bd3cf750c9	https://echa.europa.eu/documents/10162/390a50ab-4461-49fb-87da-b366f77c105b	https://echa.europa.eu/documents/10162/80464fce-e4ae-4e28-b6a0-8e332daaeb95	https://echa.europa.eu/documents/10162/2b197fb5-9330-3567-b9af-f10f7ef30cc6	
4,4'-oxydianiline		202-977-0	101-80-4	Carcinogenic (Article 57a),Mutagenic (Article 57b)	12/19/12	https://echa.europa.eu/documents/10162/7e13f20e-aa4c-4ab9-9b57-f0bd3cf750c9	https://echa.europa.eu/documents/10162/390a50ab-4461-49fb-87da-b366f77c105b	https://echa.europa.eu/documents/10162/80464fce-e4ae-4e28-b6a0-8e332daaeb95	https://echa.europa.eu/documents/10162/2b197fb5-9330-3567-b9af-f10f7ef30cc6	
4,4'-methylenedi-o-toluidine		212-658-8	838-88-0	Carcinogenic (Article 57a)	12/19/12	https://echa.europa.eu/documents/10162/aa8680a2-aecb-4b86-b4e9-e6d6ba41ed42	https://echa.europa.eu/documents/10162/7fabc585-9a8c-4105-99ad-4083a41b2310	https://echa.europa.eu/documents/10162/42094854-61af-4a51-abc4-0f85ef9bd51e	https://echa.europa.eu/documents/10162/a16f7d17-5558-227d-65bc-d628d6209328	
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	ZOLDINE MS-PLUS	421-150-7	12788-04-02	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/2e6fa094-c665-4367-b4d6-d61b841e82c3	https://echa.europa.eu/documents/10162/c2ba8775-69b2-4dbe-b725-54e8219f10ae	https://echa.europa.eu/documents/10162/782e61c7-07e8-42be-bfb7-99c2bdab913a	https://echa.europa.eu/documents/10162/45e26414-e789-45a9-302a-4ce0ddef9981	
1-bromopropane (n-propyl bromide)		203-445-0	106-94-5	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/322977d5-5c50-467b-a5aa-14dd621301af	https://echa.europa.eu/documents/10162/0fde3877-5c84-4343-ad20-a33327752a13a	https://echa.europa.eu/documents/10162/cfa3375a-66c2-02a7-43c1-3760fb518448	https://echa.europa.eu/documents/10162/fb68a467-fa8f-3ea3-3735-3dde15221666	
1,2-diethoxyethane		211-076-1	629-14-1	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/c5d3b97f-9168-4c49-aa69-9197cd899a8d	https://echa.europa.eu/documents/10162/8393ce5a-9456-4abb-b6ba-008e68941823	https://echa.europa.eu/documents/10162/8c04401d-d0bb-409c-9250-c6e574f47305	https://echa.europa.eu/documents/10162/53a23e4f-6934-d9d1-a3cb-3d8bcffbf224	
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear		284-032-2	84777-06-0	Toxic for reproduction (Article 57c)	12/19/12	https://echa.europa.eu/documents/10162/cdf66098-5920-44ea-9d26-aaa390c5d5ef	https://echa.europa.eu/documents/10162/6f9bf9c8-8442-48fe-b38e-4dca50adea4c	https://echa.europa.eu/documents/10162/329c8367-0ec9-426b-bcfe-27ddf27fb777	https://echa.europa.eu/documents/10162/28bc2e86-e6e2-569b-45ab-724e664a3b24	
Î±,Î±-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	with â‰¥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	229-851-8	6786-83-0	Carcinogenic (Article 57a)	06/18/12	https://echa.europa.eu/documents/10162/6ea9ffc1-a165-4afc-b504-af2bc3694c64	https://echa.europa.eu/documents/10162/09c5c1e5-3d1f-4c79-8d8a-f142e7dc42ab	https://echa.europa.eu/documents/10162/d3bc3564-1f27-4b6b-b076-695ee0a3ad10	https://echa.europa.eu/documents/10162/15746c0a-be4d-7014-cf24-9b893fc46146	
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michlerâ€™s base)		202-959-2	101-61-1	Carcinogenic (Article 57a)	06/18/12	https://echa.europa.eu/documents/10162/55c7a0fd-13f8-41bd-b1b2-123cdeef4434	https://echa.europa.eu/documents/10162/bb71dff3-cbb8-42e4-8d18-529e5876b710	https://echa.europa.eu/documents/10162/14f93f87-28aa-4295-a2a6-6b18e53abbf2	https://echa.europa.eu/documents/10162/39e9a04b-b21f-83a5-c892-0922c59f6570	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Lead(II) bis(methanesulfonate)	-	401-750-5	17570-76-2	Toxic for reproduction (Article 57c)	06/18/12	https://echa.europa.eu/documents/10162/670a5290-68d3-4b88-83e8-6c06a4e430a8	https://echa.europa.eu/documents/10162/71993287-68f1-43c4-a13e-326ad171b80c	https://echa.europa.eu/documents/10162/ec18fb5f-b968-4e34-a146-e696fccad746	https://echa.europa.eu/documents/10162/2cba9d62-81b9-7a72-e33f-4d0674fd7aff	
Formamide		200-842-0	1975-12-07	Toxic for reproduction (Article 57c)	06/18/12	https://echa.europa.eu/documents/10162/64c72b55-a1da-47ef-b47d-edad9c9f124e	https://echa.europa.eu/documents/10162/a330365d-7a44-43a1-a896-0fec7f34c4e6	https://echa.europa.eu/documents/10162/4ff18575-7bcc-4e02-96db-1090a1bdd3a1	https://echa.europa.eu/documents/10162/ed0578c2-0153-12b5-fe8f-b9e1b2923a40	
Diboron trioxide		215-125-8	1303-86-2	Toxic for reproduction (Article 57c)	06/18/12	https://echa.europa.eu/documents/10162/c42c7cd8-b8d9-4a53-987e-55f8b377ea03	https://echa.europa.eu/documents/10162/de509422-112a-4234-8e67-3260d2051364	https://echa.europa.eu/documents/10162/6b35228c-45c4-4ed8-88b0-823fafb0d795	https://echa.europa.eu/documents/10162/07417d9a-29c2-61e2-135b-2084d2c8d350	
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	with â‰¥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	219-943-6	2580-56-5	Carcinogenic (Article 57a)	06/18/12	https://echa.europa.eu/documents/10162/4575515a-f67b-447e-afb0-9de9bdf2d8b4	https://echa.europa.eu/documents/10162/e788094b-c091-40fc-af06-0cb993da22ef	https://echa.europa.eu/documents/10162/4005564c-2ff2-4ea5-941d-04525939d70b	https://echa.europa.eu/documents/10162/03e30fbb-e4b7-4ff1-8c54-cfba9e21d505	
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	with â‰¥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	208-953-6	548-62-9	Carcinogenic (Article 57a)	06/18/12	https://echa.europa.eu/documents/10162/9c2106dd-ab9a-415d-8b47-039c5b5b223a	https://echa.europa.eu/documents/10162/2b47d136-adc9-46de-88c8-4ac990880005	https://echa.europa.eu/documents/10162/a3290dc9-a3e1-4a9d-8e58-102dca785d19	https://echa.europa.eu/documents/10162/67b63e21-6302-ef0d-b8b9-fa3c26a9e2bf	
4,4'-bis(dimethylamino)benzophenone (Michlerâ€™s ketone)		202-027-5	90-94-8	Carcinogenic (Article 57a)	06/18/12	https://echa.europa.eu/documents/10162/fb031b0c-5e13-438a-a0ad-334a822c2e04	https://echa.europa.eu/documents/10162/a32d3dd2-1045-457b-9a6b-988bc641e662	https://echa.europa.eu/documents/10162/3cbcf0fc-f6bc-4d08-8dcf-b2837657e1c5	https://echa.europa.eu/documents/10162/f793511d-97cb-70a6-6fa7-ae48395ce858	
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	with â‰¥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	209-218-2	561-41-1	Carcinogenic (Article 57a)	06/18/12	https://echa.europa.eu/documents/10162/bcf29e5e-c152-4f88-8df9-1f9515582e3e	https://echa.europa.eu/documents/10162/0bc3c72f-1e50-45e7-98c4-595639fe3010	https://echa.europa.eu/documents/10162/4300b1a0-79ae-4d90-bcac-07a34691c435	https://echa.europa.eu/documents/10162/3905164d-a630-516a-720a-ebaf0b47d0c1	
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (Î²-TGIC)	-	423-400-0	59653-74-6	Mutagenic (Article 57b)	06/18/12	https://echa.europa.eu/documents/10162/b396da4a-879d-4d97-88c0-f2a97c3160e2	https://echa.europa.eu/documents/10162/1b1db3da-9d3c-4dd9-aec6-82e5f2bb9681	https://echa.europa.eu/documents/10162/9c7289c0-b92d-46cb-9007-6a919f003935	https://echa.europa.eu/documents/10162/94969b35-04d7-5cc9-d1b0-bd120223a3c2	
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)		219-514-3	2451-62-9	Mutagenic (Article 57b)	06/18/12	https://echa.europa.eu/documents/10162/f4f2cac7-9277-4dd0-bcfc-a0b3134331a3	https://echa.europa.eu/documents/10162/5e64cc7a-5599-48af-86ea-4cd5d853cb9a	https://echa.europa.eu/documents/10162/b0f7fcea-3dd5-4281-ab06-fd46c48d2ec2	https://echa.europa.eu/documents/10162/41e3ed1d-b112-e10c-31e1-11fd05c61743	
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)		203-977-3	112-49-2	Toxic for reproduction (Article 57c)	06/18/12	https://echa.europa.eu/documents/10162/1797f7da-12f2-4db5-95ee-d8b2f119255b	https://echa.europa.eu/documents/10162/077454da-571b-43dd-98c6-ce04427310e9	https://echa.europa.eu/documents/10162/04a4b3ea-09d6-439a-bf05-079784355127	https://echa.europa.eu/documents/10162/08fead86-7723-14f9-4c68-fad56f67e321	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		203-794-9	110-71-4	Toxic for reproduction (Article 57c)	06/18/12	https://echa.europa.eu/documents/10162/8baf4265-833f-467d-bb3d-cf3dfe92be88	https://echa.europa.eu/documents/10162/964d2219-db3d-4fd4-8fb4-5264b7cea5ab	https://echa.europa.eu/documents/10162/466dce51-6adf-4936-874b-2c1fe8c9de5e	https://echa.europa.eu/documents/10162/1d689ed5-8d41-62e9-16c9-6d687bf28377	
Zirconia Aluminosilicate Refractory Ceramic Fibres	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 (Âµm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/0d43d978-af14-4acf-9613-95d028fef958,https://echa.europa.eu/documents/10162/46da04ed-c0ac-482e-aa63-c75553312e84	https://echa.europa.eu/documents/10162/a9f47855-ffbe-4312-84f9-8d74aa409f00	https://echa.europa.eu/documents/10162/8190e8e4-e315-4bcb-91f5-1548fbe46bc1	https://echa.europa.eu/documents/10162/93002806-25a6-a48a-adf8-1626177e6722	
Refractories, fibers, aluminosilicate		-	142844-00-6	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/0d43d978-af14-4acf-9613-95d028fef958,https://echa.europa.eu/documents/10162/46da04ed-c0ac-482e-aa63-c75553312e84	https://echa.europa.eu/documents/10162/a9f47855-ffbe-4312-84f9-8d74aa409f00	https://echa.europa.eu/documents/10162/8190e8e4-e315-4bcb-91f5-1548fbe46bc1	https://echa.europa.eu/documents/10162/93002806-25a6-a48a-adf8-1626177e6722	
Trilead diarsenate		222-979-5	3687-31-8	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	12/19/11	https://echa.europa.eu/documents/10162/f94e0b50-062a-4150-8652-f5d3ac218fcd	https://echa.europa.eu/documents/10162/18ce9105-2407-45b5-852b-5329e6042900	https://echa.europa.eu/documents/10162/69699398-ddf0-4188-988f-a2464175a019	https://echa.europa.eu/documents/10162/7fe7b854-e3c4-0da8-4611-ba59657eb361	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Potassium hydroxyoctaoxodizincatedichromate		234-329-8	11103-86-9	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/cbc1bcf1-2910-4813-a818-9f2069f69b3c	https://echa.europa.eu/documents/10162/2869cfe1-049b-43b2-a1b0-c8503d2c2586	https://echa.europa.eu/documents/10162/fb533ed0-2765-4ad3-acf7-79d9ca8a5b02	https://echa.europa.eu/documents/10162/82f1b187-86e9-a2c1-05ce-37037c0d42c8	
Phenolphthalein		201-004-7	1977-09-08	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/37893eb4-a79b-4982-a3f0-34438dc72904	https://echa.europa.eu/documents/10162/2cc034c5-ecbf-4c6c-8de4-9085c3e4f2a0	https://echa.europa.eu/documents/10162/1f29b212-4a70-40c0-94de-8dfce7791aa9	https://echa.europa.eu/documents/10162/e77f71f2-2587-e6a6-3e18-41c44ad031cf	
Pentazinc chromate octahydroxide		256-418-0	49663-84-5	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/756bf74c-275b-4779-8d92-83fc3ac27318	https://echa.europa.eu/documents/10162/3acce581-104b-4f80-8b0b-94728b9d501c	https://echa.europa.eu/documents/10162/ce28c0be-379f-461e-9197-3af36d5c7f53	https://echa.europa.eu/documents/10162/15a09341-5a63-825f-9677-995a7685a951	
N,N-dimethylacetamide		204-826-4	127-19-5	Toxic for reproduction (Article 57c)	12/19/11	https://echa.europa.eu/documents/10162/65231f68-fe7a-4712-9f3a-99a9fdfb7dea	https://echa.europa.eu/documents/10162/f3d28fdc-113a-454a-9de2-e5fa2bb7786d	https://echa.europa.eu/documents/10162/42751bc8-cad5-4035-82ea-a91c0efe5768	https://echa.europa.eu/documents/10162/2349dc58-0d76-f548-d77f-a2d40eab4bb3	
Lead styphnate		239-290-0	15245-44-0	Toxic for reproduction (Article 57c)	12/19/11	https://echa.europa.eu/documents/10162/9f6e771e-a50c-4079-9a1a-1d2441ed0033	https://echa.europa.eu/documents/10162/940e8b74-d5c3-446e-a041-b86297a880c6	https://echa.europa.eu/documents/10162/fbb1d8a9-4e09-4c36-8e79-c46f9a73bb7c	https://echa.europa.eu/documents/10162/1518f0d7-21c6-797c-1e0f-99db6a1c573c	
Lead dipicrate		229-335-2	6477-64-1	Toxic for reproduction (Article 57c)	12/19/11	https://echa.europa.eu/documents/10162/3a01a0ae-69e4-4b0c-8d87-e5c42e8586a3	https://echa.europa.eu/documents/10162/0a46d3e7-e3be-46bc-886b-d04e944ad448	https://echa.europa.eu/documents/10162/8a7c6915-0578-4c50-8fea-5208e237e0a7	https://echa.europa.eu/documents/10162/047d6d28-1493-63ea-5c06-69f94dda35dd	
Lead diazide, Lead azide		236-542-1	13424-46-9	Toxic for reproduction (Article 57c)	12/19/11	https://echa.europa.eu/documents/10162/defeb72b-e314-4707-b01d-dd25464eb5f1	https://echa.europa.eu/documents/10162/cacccb51-ab67-4ee5-803f-f147d01feddc	https://echa.europa.eu/documents/10162/9890a34b-0a57-4286-a2ab-b226ba3dfef3	https://echa.europa.eu/documents/10162/72716893-7cd5-259b-b02e-27a8251b3d16	
Formaldehyde, oligomeric reaction products with aniline		500-036-1	25214-70-4	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/f5ad72aa-57b0-456b-acca-080ea744a5d1	https://echa.europa.eu/documents/10162/3ccc2258-f2d9-4330-b218-b781178c00a2	https://echa.europa.eu/documents/10162/9cd084c9-8c83-4cf4-81c9-f43d5c1f1fe8	https://echa.europa.eu/documents/10162/9ccd6638-ecf1-3cd8-1f64-f7b0c6e931a4	
Dichromium tris(chromate)		246-356-2	24613-89-6	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/b5600741-d5d7-413c-9755-625a596d1ee1	https://echa.europa.eu/documents/10162/3d86d90e-9593-4987-9856-639068f57402	https://echa.europa.eu/documents/10162/6426d317-2c05-40ba-90ae-0fbd67774f53	https://echa.europa.eu/documents/10162/2e3dc8f8-6055-183f-fc46-f86b85b089b6	
Calcium arsenate		231-904-5	7778-44-1	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/cb4e87e7-ebdc-4a02-8333-7b30084a9be4	https://echa.europa.eu/documents/10162/00c3ba78-f33e-461f-9fdd-4c365f2b5b23	https://echa.europa.eu/documents/10162/ccc629ba-7feb-462d-bce8-86ac200de8f5	https://echa.europa.eu/documents/10162/79ea9462-05c3-e0bd-c4ca-5fe289ab6a86	
Bis(2-methoxyethyl) phthalate		204-212-6	117-82-8	Toxic for reproduction (Article 57c)	12/19/11	https://echa.europa.eu/documents/10162/18fc6f65-fb18-4151-b737-45ba0aefb181	https://echa.europa.eu/documents/10162/5d0a79ed-4557-4a6c-8017-fda04a4eb326	https://echa.europa.eu/documents/10162/bee2930b-03bb-4293-bda1-89381f8da2a6	https://echa.europa.eu/documents/10162/d4c509f3-22a8-ae10-60b3-84c2b574e4e2	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Bis(2-methoxyethyl) ether		203-924-4	111-96-6	Toxic for reproduction (Article 57c)	12/19/11	https://echa.europa.eu/documents/10162/ee023359-daa8-43a2-8c82-242f0a7588f7	https://echa.europa.eu/documents/10162/169db6b2-a42d-46f3-8daf-a7d8385e84b4	https://echa.europa.eu/documents/10162/2e6c10fa-03d5-47b2-9337-e047743554b9	https://echa.europa.eu/documents/10162/da73be84-553c-2cdb-6c20-6f329649af7c	
Arsenic acid		231-901-9	7778-39-4	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/3646fac6-947b-41ea-b3bf-e231511be65c	https://echa.europa.eu/documents/10162/c61d2694-b4f4-41c0-93da-68e959341b9c	https://echa.europa.eu/documents/10162/bc77d03b-2f02-4084-8fab-2b8d586f342a	https://echa.europa.eu/documents/10162/704cd872-1329-10b8-7326-3d93eea4c147	
Aluminosilicate Refractory Ceramic Fibres	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 (Âµm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/df7f314c-bda4-496c-8d86-04fe2421e157,https://echa.europa.eu/documents/10162/9c0854f5-3f46-4dc5-9776-72ac20f908e2	https://echa.europa.eu/documents/10162/71a6c340-4c9c-41d9-8c26-6e8d3236e456	https://echa.europa.eu/documents/10162/611cb779-7564-4a89-b381-c5a126b5a04b	https://echa.europa.eu/documents/10162/c7882d5b-b6f3-94ca-c81a-756cf2d5c130	
Refractories, fibers, aluminosilicate		-	142844-00-6	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/df7f314c-bda4-496c-8d86-04fe2421e157,https://echa.europa.eu/documents/10162/9c0854f5-3f46-4dc5-9776-72ac20f908e2	https://echa.europa.eu/documents/10162/71a6c340-4c9c-41d9-8c26-6e8d3236e456	https://echa.europa.eu/documents/10162/611cb779-7564-4a89-b381-c5a126b5a04b	https://echa.europa.eu/documents/10162/c7882d5b-b6f3-94ca-c81a-756cf2d5c130	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
4-(1,1,3,3-tetramethylbutyl)phenol		205-426-2	140-66-9	Endocrine disrupting properties (Article 57(f) - environment)	12/19/11	https://echa.europa.eu/documents/10162/189c55b4-d54b-4271-9e50-ce798faf9f4c	https://echa.europa.eu/documents/10162/4c196bd6-2a91-4cb1-82ae-c65cb8a637ac	https://echa.europa.eu/documents/10162/4c6cccfd-d366-4a00-87e5-65aa77181fb6	https://echa.europa.eu/documents/10162/a08e8cda-06ee-de39-c975-5f36973dbb63	
2-Methoxyaniline, o-Anisidine		201-963-1	90-04-0	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/30d99b89-85a5-45d1-8701-1ad0680afb1e	https://echa.europa.eu/documents/10162/80f2ea14-b438-4ae6-bbcd-b6b214c7ae04	https://echa.europa.eu/documents/10162/faf9ec9a-af59-4c1d-b944-cc831b3b52b3	https://echa.europa.eu/documents/10162/1b56118d-d4af-2d06-d15c-6e2354ff4990	
2,2'-dichloro-4,4'-methylenedianiline		202-918-9	101-14-4	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/0a89c9f0-1da4-406b-8285-9db907cdb66a	https://echa.europa.eu/documents/10162/40909414-f320-4c4d-8519-3b9895c794e1	https://echa.europa.eu/documents/10162/6f0cee92-fe4f-492d-b8e1-78ac46ee1a85	https://echa.europa.eu/documents/10162/883f8b33-697f-5708-dbec-fa3e4979fa57	
1,2-dichloroethane		203-458-1	0107-06-02	Carcinogenic (Article 57a)	12/19/11	https://echa.europa.eu/documents/10162/55390ac1-1267-4141-af33-67c787b50a0d	https://echa.europa.eu/documents/10162/9e0c9155-9ec9-489a-976d-4312ab5838cf	https://echa.europa.eu/documents/10162/a40ec08f-918f-4f60-b1f4-43a9517f6433	https://echa.europa.eu/documents/10162/77829f20-a0f1-adb8-fb45-4450e9db64b7	
Strontium chromate		232-142-6	7789-06-02	Carcinogenic (Article 57a)	06/20/11	https://echa.europa.eu/documents/10162/8003d372-68f9-4a5a-9094-4e6d0b58169c	https://echa.europa.eu/documents/10162/dbf5f0a3-13f7-4dcc-9638-be11aa9796bc	https://echa.europa.eu/documents/10162/b404f6d6-e6a2-412a-8362-542d297fd1bd	https://echa.europa.eu/documents/10162/98b171ab-1ab9-d334-ccea-76179abd24f6	
Hydrazine		206-114-9	302-01-2, 7803-57-8	Carcinogenic (Article 57a)	06/20/11	https://echa.europa.eu/documents/10162/c5b972a9-f57f-4fd5-8177-04b4e46c5e93	https://echa.europa.eu/documents/10162/8c489ab1-cc43-4655-9fdf-9ba8faffec98	https://echa.europa.eu/documents/10162/dcbad586-92e2-496c-bf17-f2d4fd7a7e5e	https://echa.europa.eu/documents/10162/8077c3d0-b547-5cec-dd34-0804abf35d93	
2-ethoxyethyl acetate		203-839-2	111-15-9	Toxic for reproduction (Article 57c)	06/20/11	https://echa.europa.eu/documents/10162/4b69d66f-b3f9-4b3d-a1fb-a90c4825f7d5	https://echa.europa.eu/documents/10162/a4d1618e-1de0-45ee-95d4-7c0b97f8f4bb	https://echa.europa.eu/documents/10162/e3566164-121d-4007-9f6c-eeb1bbe67c14	https://echa.europa.eu/documents/10162/4143edd3-cb57-c9f6-f0d4-2c859a736be8	
1-Methyl-2-pyrrolidone (NMP)		212-828-1	872-50-4	Toxic for reproduction (Article 57c)	06/20/11	https://echa.europa.eu/documents/10162/2d6cdfd7-e924-45fa-85d4-4450a7b4bf5a	https://echa.europa.eu/documents/10162/2a739583-e50d-458f-860b-2170d391621d	https://echa.europa.eu/documents/10162/1c4e3474-34ee-4c15-aaef-dafd1cb47779	https://echa.europa.eu/documents/10162/e8ed4407-d09b-02bd-441e-f02950db4f74	
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters		271-084-6	68515-42-4	Toxic for reproduction (Article 57c)	06/20/11	https://echa.europa.eu/documents/10162/e0602e69-f758-4eef-88c6-6e9c7a0359e6	https://echa.europa.eu/documents/10162/607fe319-a2a5-412f-9411-7fe86a8dd261	https://echa.europa.eu/documents/10162/9064c470-918c-4459-b1de-f6112da0a8ec	https://echa.europa.eu/documents/10162/0ee9eaa7-282e-aaf9-03d7-58a70984249e	
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich		276-158-1	71888-89-6	Toxic for reproduction (Article 57c)	06/20/11	https://echa.europa.eu/documents/10162/1d278ff8-5bc6-4fa4-8b6a-6847121fcc9d	https://echa.europa.eu/documents/10162/23661523-674a-4366-bf5d-8597e97f09a5	https://echa.europa.eu/documents/10162/4ecec0c5-de0a-403e-8bad-bb2439aed1cd	https://echa.europa.eu/documents/10162/caf060a0-d277-1665-a24d-335d971a255a	
1,2,3-trichloropropane		202-486-1	96-18-4	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	06/20/11	https://echa.europa.eu/documents/10162/6b5d8cc7-e37e-46e1-9d91-0f8d529ca833	https://echa.europa.eu/documents/10162/5c763e23-3df9-4568-990f-df7d38977711	https://echa.europa.eu/documents/10162/e8d4bcbd-81c1-4a59-a97d-d1cb30c29ec8	https://echa.europa.eu/documents/10162/16196c31-ff09-f53e-9f78-aef429e56548	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Cobalt(II) sulphate		233-334-2	10124-43-3	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	12/15/10	https://echa.europa.eu/documents/10162/034150e5-fa99-4659-a208-3492fed19012	https://echa.europa.eu/documents/10162/615617 9b-31de-4d5a-8bde-4c596e132251	https://echa.europa.eu/documents/10162/5fa87d07-2872-4502-b07c-4186797aa442	https://echa.europa.eu/documents/10162/2609fc0f-7c31-ebb9-50cd-293fa9f76238	
Cobalt(II) dinitrate		233-402-1	10141-05-06	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	12/15/10	https://echa.europa.eu/documents/10162/93d2146d-6f41-43f1-9e4c-6c65ee52bfee	https://echa.europa.eu/documents/10162/b0db8920-3429-46d7-9788-9f327712301d	https://echa.europa.eu/documents/10162/a6ff4bdb-6aa3-48ff-b9b4-6f086d8f35fa	https://echa.europa.eu/documents/10162/48eb838f-79f0-3322-7ccc-c2a198040538	
Cobalt(II) diacetate		200-755-8	71-48-7	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	12/15/10	https://echa.europa.eu/documents/10162/454374bb-5c3a-4716-bce2-2bf2879536d3	https://echa.europa.eu/documents/10162/b7623ce3-4a1d-4b72-8bd3-b40872dde269	https://echa.europa.eu/documents/10162/f68e76b3-751d-48b4-a225-4a23c0ee6249	https://echa.europa.eu/documents/10162/725dc1e5-4900-4e07-e15c-c41633ddd11f	
Cobalt(II) carbonate		208-169-4	513-79-1	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	12/15/10	https://echa.europa.eu/documents/10162/75006cd4-1dc6-47de-bc84-dd92e07201a9	https://echa.europa.eu/documents/10162/8724ec6d-5db0-4768-a9a9-43174499cde5	https://echa.europa.eu/documents/10162/efdc02e9-f1e6-47c7-872b-7d6285457495	https://echa.europa.eu/documents/10162/2a97b8e1-274e-0df6-24de-1791868ff37c	
Chromium trioxide		215-607-8	1333-82-0	Carcinogenic (Article 57a),Mutagenic (Article 57b)	12/15/10	https://echa.europa.eu/documents/10162/6b11ec66-9d90-400a-a61a-90de9a0fd8b1	https://echa.europa.eu/documents/10162/26e69088-ff48-41b2-86be-ad93559d4c1d	https://echa.europa.eu/documents/10162/6b7798d0-6e23-4e72-a1ea-ec989ef1e9b6	https://echa.europa.eu/documents/10162/412bacac-471b-5982-5db4-dbe5b67f947b	
Acids generated from chromium trioxide and their oligomers		-	-	Carcinogenic (Article 57a)	12/15/10	https://echa.europa.eu/documents/10162/7ec3a9eb-a9f6-4e82-9e7d-99794b3dc95e	https://echa.europa.eu/documents/10162/e49af511-8109-4671-87c9-d1929bd1f9df,https://echa.europa.eu/documents/10162/b3342013-b216-403f-b9f6-ea2d704d45e3	https://echa.europa.eu/documents/10162/b4e7126f-3045-4159-8142-958061cf13ac	https://echa.europa.eu/documents/10162/bf1c6776-60e5-cd31-7fc2-8a073e592fcb	
Chromic acid		231-801-5	7738-94-5	Carcinogenic (Article 57a)	12/15/10	https://echa.europa.eu/documents/10162/7ec3a9eb-a9f6-4e82-9e7d-99794b3dc95e	https://echa.europa.eu/documents/10162/e49af511-8109-4671-87c9-d1929bd1f9df,https://echa.europa.eu/documents/10162/b3342013-b216-403f-b9f6-ea2d704d45e3	https://echa.europa.eu/documents/10162/b4e7126f-3045-4159-8142-958061cf13ac	https://echa.europa.eu/documents/10162/bf1c6776-60e5-cd31-7fc2-8a073e592fcb	
Oligomers of chromic acid and dichromic acid		-	-	Carcinogenic (Article 57a)	12/15/10	https://echa.europa.eu/documents/10162/7ec3a9eb-a9f6-4e82-9e7d-99794b3dc95e	https://echa.europa.eu/documents/10162/e49af511-8109-4671-87c9-d1929bd1f9df,https://echa.europa.eu/documents/10162/b3342013-b216-403f-b9f6-ea2d704d45e3	https://echa.europa.eu/documents/10162/b4e7126f-3045-4159-8142-958061cf13ac	https://echa.europa.eu/documents/10162/bf1c6776-60e5-cd31-7fc2-8a073e592fcb	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Dichromic acid		236-881-5	13530-68-2	Carcinogenic (Article 57a)	12/15/10	https://echa.europa.eu/documents/10162/7ec3a9eb-a9f6-4e82-9e7d-99794b3dc95e	https://echa.europa.eu/documents/10162/e49af511-8109-4671-87c9-d1929bd1f9df,https://echa.europa.eu/documents/10162/b3342013-b216-403f-b9f6-ea2d704d45e3	https://echa.europa.eu/documents/10162/b4e7126f-3045-4159-8142-958061cf13ac	https://echa.europa.eu/documents/10162/bf1c6776-60e5-cd31-7fc2-8a073e592fcb	
2-methoxyethanol		203-713-7	109-86-4	Toxic for reproduction (Article 57c)	12/15/10	https://echa.europa.eu/documents/10162/d0434782-81cb-43af-ba42-88c301aeb105	https://echa.europa.eu/documents/10162/2c32ce81-9fe4-4bec-ab99-cefb0db64f70	https://echa.europa.eu/documents/10162/de7fb120-e51b-408c-9753-5c605be53de9	https://echa.europa.eu/documents/10162/97777174-b86f-1e5e-fb0a-92a7ab4e1fda	
2-ethoxyethanol		203-804-1	110-80-5	Toxic for reproduction (Article 57c)	12/15/10	https://echa.europa.eu/documents/10162/f25b7ab7-c339-4b4a-900b-7a2d38c32c1f	https://echa.europa.eu/documents/10162/16b140dd-f4a7-4b4c-a7c4-696ff16785ea	https://echa.europa.eu/documents/10162/b8b0b5ed-43be-4c24-8d81-96b799916955	https://echa.europa.eu/documents/10162/7c99a5c1-5dad-1d72-f660-e4c451739bbf	
Trichloroethylene		201-167-4	1979-01-06	Carcinogenic (Article 57a)	06/18/10	https://echa.europa.eu/documents/10162/d54e4381-eebe-41dd-9eb5-5794d383f043	https://echa.europa.eu/documents/10162/bf5436ce-44ed-49c8-b7e6-51804d3cb0a5	https://echa.europa.eu/documents/10162/8bbf5e70-f0a4-46c0-84db-f2340c74d64e	https://echa.europa.eu/documents/10162/50be92c9-8f8f-8cb9-3b52-12d018a788b7	
Tetraboron disodium heptaoxide, hydrate		235-541-3	12267-73-1	Toxic for reproduction (Article 57c)	06/18/10	https://echa.europa.eu/documents/10162/4ed94bb5-533a-4a8a-823f-6348859263d1	https://echa.europa.eu/documents/10162/b743c746-3dd3-4ddb-83f9-8446d5615222	https://echa.europa.eu/documents/10162/a049f842-ad66-4b06-b1ec-39fd6c6f47ba	https://echa.europa.eu/documents/10162/e893fee3-07e0-8f9b-a3be-29c7c75008f2	
Sodium chromate		231-889-5	7775-11-03	Carcinogenic (Article 57a),Mutagenic (Article 57b),Toxic for reproduction (Article 57c)	06/18/10	https://echa.europa.eu/documents/10162/f7a917fb-3073-4f18-93db-d49e3587df84	https://echa.europa.eu/documents/10162/604acc0d-b03f-4c88-b9e1-574a0709b463	https://echa.europa.eu/documents/10162/c5d6f8de-bbe1-4b31-b7c4-d8e5b8d65517	https://echa.europa.eu/documents/10162/7bfc757c-3719-2959-1ffd-f2bdb7160259	
Potassium dichromate		231-906-6	7778-50-9	Carcinogenic (Article 57a),Mutagenic (Article 57b),Toxic for reproduction (Article 57c)	06/18/10	https://echa.europa.eu/documents/10162/0f342468-8b83-48af-b1ce-c46eb9e011bf	https://echa.europa.eu/documents/10162/cb89dff1-a881-4c96-98aa-058ddaf85532	https://echa.europa.eu/documents/10162/3ac167c4-9f8e-4375-92f6-285a2911cee0	https://echa.europa.eu/documents/10162/a1656dde-4912-2cfb-8605-690a46b7b790	
Potassium chromate		232-140-5	7789-00-6	Carcinogenic (Article 57a),Mutagenic (Article 57b)	06/18/10	https://echa.europa.eu/documents/10162/4116dc63-d4ff-4465-b598-a81622c5f58b	https://echa.europa.eu/documents/10162/6ca9ac30-7102-4c5a-9eb8-bbcefc64c411	https://echa.europa.eu/documents/10162/e6da86f5-0988-4fb2-9dcf-840871571c5af	https://echa.europa.eu/documents/10162/3384d4c1-6650-fae8-5f86-22be13577d99	
Disodium tetraborate, anhydrous		215-540-4	12179-04-3, 1303-96-4, 1330-43-4	Toxic for reproduction (Article 57c)	06/18/10	https://echa.europa.eu/documents/10162/4912ba63-c1c1-4698-b1a0-3b58f6024cd5	https://echa.europa.eu/documents/10162/423223b2-23c6-4203-a1c5-c1e4cf47e854	https://echa.europa.eu/documents/10162/04e29ef1-f56d-4926-96f6-c2865c5e10a7	https://echa.europa.eu/documents/10162/9004f5d0-c545-42ce-8839-e07b8f938e7a	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Boric acid	EC No. 233-139-2 and EC No. 234-343-4	-	-	Toxic for reproduction (Article 57c)	06/18/10	https://echa.europa.eu/documents/10162/6877f24b-c82b-4021-b05b-a25af94185c0	https://echa.europa.eu/documents/10162/cad21145-7d6a-4c1f-b640-80cfe475b45c,https://echa.europa.eu/documents/10162/910d71c0-785a-4b54-997a-6b4396389739	https://echa.europa.eu/documents/10162/d51fd473-40ec-4831-bc2d-6f53bdf9cbbe	https://echa.europa.eu/documents/10162/2991b041-b25e-7f6a-0900-2ebef8c9e030	
Boric acid, crude natural		234-343-4	11113-50-1	Toxic for reproduction (Article 57c)	06/18/10	https://echa.europa.eu/documents/10162/6877f24b-c82b-4021-b05b-a25af94185c0	https://echa.europa.eu/documents/10162/cad21145-7d6a-4c1f-b640-80cfe475b45c,https://echa.europa.eu/documents/10162/910d71c0-785a-4b54-997a-6b4396389739	https://echa.europa.eu/documents/10162/d51fd473-40ec-4831-bc2d-6f53bdf9cbbe	https://echa.europa.eu/documents/10162/2991b041-b25e-7f6a-0900-2ebef8c9e030	
Boric acid		233-139-2	10043-35-3	Toxic for reproduction (Article 57c)	06/18/10	https://echa.europa.eu/documents/10162/6877f24b-c82b-4021-b05b-a25af94185c0	https://echa.europa.eu/documents/10162/cad21145-7d6a-4c1f-b640-80cfe475b45c,https://echa.europa.eu/documents/10162/910d71c0-785a-4b54-997a-6b4396389739	https://echa.europa.eu/documents/10162/d51fd473-40ec-4831-bc2d-6f53bdf9cbbe	https://echa.europa.eu/documents/10162/2991b041-b25e-7f6a-0900-2ebef8c9e030	
Ammonium dichromate		232-143-1	7789-09-05	Carcinogenic (Article 57a),Mutagenic (Article 57b),Toxic for reproduction (Article 57c)	06/18/10	https://echa.europa.eu/documents/10162/ff5cd363-1d18-4b42-a208-b0aa4034348e	https://echa.europa.eu/documents/10162/e3fb1a7c-4bd5-4540-9997-fc9f040c1a2f	https://echa.europa.eu/documents/10162/b09ce051-1fe5-425a-bdd0-0f6eb628230b	https://echa.europa.eu/documents/10162/875e5e2d-586f-5c6a-5440-b40ed7024aee	
Acrylamide		201-173-7	1979-06-01	Carcinogenic (Article 57a),Mutagenic (Article 57b)	03/30/10	https://echa.europa.eu/documents/10162/b280c0f2-f957-44d9-9584-097444464b22	https://echa.europa.eu/documents/10162/13141b6e-f285-44bf-9868-d5e089875101	https://echa.europa.eu/documents/10162/7f1a698d-9910-4e8a-a6a7-0806427abd26	https://echa.europa.eu/documents/10162/4c9a4bdf-23eb-bd23-7a56-9d34b5641826	
Tris(2-chloroethyl) phosphate		204-118-5	115-96-8	Toxic for reproduction (Article 57c)	01/13/10	https://echa.europa.eu/documents/10162/78d8ecfd-5e83-4299-9f16-15681ee11bbb	https://echa.europa.eu/documents/10162/d36f5718-6e5c-4fca-9e31-efed9c50d0d0	https://echa.europa.eu/documents/10162/6d09755f-7fcb-4a00-b7ce-91ab45a2e5af	https://echa.europa.eu/documents/10162/da069526-8af2-c6c3-3d6d-2c06b7446f82	
Pitch, coal tar, high-temp.	-	266-028-2	65996-93-2	Carcinogenic (Article 57a),PBT (Article 57d),vPvB (Article 57e)	01/13/10	https://echa.europa.eu/documents/10162/30488018-7d14-42b1-90eb-8235974bf023	https://echa.europa.eu/documents/10162/d3d19672-64d5-47f4-aa47-66729f6990ec	https://echa.europa.eu/documents/10162/73d246d4-8c2a-4150-b656-c15948bf0e77	https://echa.europa.eu/documents/10162/9762a7b3-6123-562f-0bdf-2213e07a427d	
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	-	215-693-7	1344-37-2	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	01/13/10	https://echa.europa.eu/documents/10162/7d4b0549-413a-4642-ac69-069566c2f624	https://echa.europa.eu/documents/10162/cbb77a48-22b8-4888-b485-8e85731648d2	https://echa.europa.eu/documents/10162/cd44c55f-3473-4c73-a356-ce732b2f3d87	https://echa.europa.eu/documents/10162/8dbe3010-814b-d92b-8bb1-353fa4c32f9f	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	-	235-759-9	12656-85-8	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	01/13/10	https://echa.europa.eu/documents/10162/9a10159e-0846-488b-8fdb-5162e2bf97f4	https://echa.europa.eu/documents/10162/efa8a662-a744-45f7-a507-14a3dcfc3d15	https://echa.europa.eu/documents/10162/624c2151-d7f2-47d7-ab26-7f4996e81e36	https://echa.europa.eu/documents/10162/d46d12dd-a1a3-e556-549a-e81aac3b5905	
Lead chromate		231-846-0	7758-97-6	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	01/13/10	https://echa.europa.eu/documents/10162/1f928dd4-69c2-494d-8d94-08699be302e5	https://echa.europa.eu/documents/10162/df3d989f-4229-497e-942c-44763337dcf2	https://echa.europa.eu/documents/10162/25e3a7a4-41a4-4f72-8d0f-2ab06a6bf51a		
Diisobutyl phthalate		201-553-2	84-69-5	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - human health)	01/13/10	https://echa.europa.eu/documents/10162/8f861ec5-40ca-43d6-be8a-7bc22b96f84f,https://echa.europa.eu/documents/10162/a956b752-1a1b-1316-6ed7-a01d09cd52cd,https://echa.europa.eu/documents/10162/22021d20-ffe6-5b92-8961-4420d5788c06	https://echa.europa.eu/documents/10162/5f086082-c721-442d-8b7b-a6eb49ffb3ab	https://echa.europa.eu/documents/10162/96caf4ad-1095-4929-a1b9-84aeea1aff00,https://echa.europa.eu/documents/10162/872ff9cf-52a5-49f4-1e0a-da6ce3e9e074	https://echa.europa.eu/documents/10162/566bf9dd-444f-e07f-877f-cc0f53e596b7	
Anthracene oil, anthracene-low	-	292-604-8	90640-82-7	Carcinogenic (Article 57a),Mutagenic (Article 57b),PBT (Article 57d),vPvB (Article 57e)	01/13/10	https://echa.europa.eu/documents/10162/709cf01f-1445-4606-a0f2-1940a468dab6	https://echa.europa.eu/documents/10162/ce2619c5-654b-4934-a835-a3e2b00d4e13	https://echa.europa.eu/documents/10162/3e5e6a56-dd4f-4951-b26e-985b7f692624	https://echa.europa.eu/documents/10162/621cceb7-32a6-81b3-a5e6-d31f01cf4ce4	Does not meet the criteria for identification as a carcinogen if it contains < 0.005 % (w/w) benzo[a]pyrene (EINECS No 200-028-5) and < 0.1 % w/w benzene (EINECS No 200-753-7). Does not meet the criteria for identification as a mutagen if it contains < 0.1 % w/w benzene (EINECS No 200-753-7).
Anthracene oil, anthracene paste, distn. lights	-	295-278-5	91995-17-4	Carcinogenic (Article 57a),Mutagenic (Article 57b),PBT (Article 57d),vPvB (Article 57e)	01/13/10	https://echa.europa.eu/documents/10162/960a181f-7094-4be7-b02f-c49513a0442e	https://echa.europa.eu/documents/10162/2a5afd0a-9ce1-4b37-acc9-942143c01c7a	https://echa.europa.eu/documents/10162/f0ff9790-013c-49b3-ae93-ac11d2177bf9	https://echa.europa.eu/documents/10162/3879120b-4739-bfb8-40dc-ed001dbc2f09	Does not meet the criteria for identification as a carcinogen if it contains < 0.005 % (w/w) benzo[a]pyrene (EINECS No 200-028-5) and < 0.1 % w/w benzene (EINECS No 200-753-7). Does not meet the criteria for identification as a mutagen if it contains < 0.1 % w/w benzene (EINECS No 200-753-7).

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Anthracene oil, anthracene paste, anthracene fraction	-	295-275-9	91995-15-2	Carcinogenic (Article 57a),Mutagenic (Article 57b),PBT (Article 57d),vPvB (Article 57e)	01/13/10	https://echa.europa.eu/documents/10162/b5013ad5-8980-478b-aa32-4859860f9aef	https://echa.europa.eu/documents/10162/4efcaa35-8b9f-4b19-9f81-9f1fb98533b2	https://echa.europa.eu/documents/10162/8de3cd61-aae1-4864-b694-8928dcdea7fd	https://echa.europa.eu/documents/10162/3c6d1b64-fe59-72a7-699d-1735d3c4ec48	Does not meet the criteria for identification as a carcinogen if it contains < 0.005 % (w/w) benzo[a]pyrene (EINECS No 200-028-5) and < 0.1 % w/w benzene (EINECS No 200-753-7). Does not meet the criteria for identification as a mutagen if it contains < 0.1 % w/w benzene (EINECS No 200-753-7).
Anthracene oil, anthracene paste	-	292-603-2	90640-81-6	Carcinogenic (Article 57a),Mutagenic (Article 57b),PBT (Article 57d),vPvB (Article 57e)	01/13/10	https://echa.europa.eu/documents/10162/df5aecc8-d928-4a70-9bf0-90ca5953bc44	https://echa.europa.eu/documents/10162/ad049eea-4aeb-4741-9574-ae6c4bd02b66	https://echa.europa.eu/documents/10162/1995aafa-663a-43a0-ae2a-285c842d7f53	https://echa.europa.eu/documents/10162/c517a94d-eed3-8371-3308-508060b19c7f	Does not meet the criteria for identification as a carcinogen if it contains < 0.005 % (w/w) benzo[a]pyrene (EINECS No 200-028-5) and < 0.1 % w/w benzene (EINECS No 200-753-7). Does not meet the criteria for identification as a mutagen if it contains < 0.1 % w/w benzene (EINECS No 200-753-7).
Anthracene oil	-	292-602-7	90640-80-5	Carcinogenic (Article 57a),PBT (Article 57d),vPvB (Article 57e)	01/13/10	https://echa.europa.eu/documents/10162/f7cfbd7b-2a5a-49aa-9d16-61689ad3a8e3	https://echa.europa.eu/documents/10162/91cfe38e-ed0d-4c28-b970-bded2289de26	https://echa.europa.eu/documents/10162/ef47ccc5-0786-4bf5-b16c-2f13c6c49385	https://echa.europa.eu/documents/10162/70eb45c5-9fec-0871-e281-e1adeace762b	Does not meet the criteria for identification as a carcinogen if it contains < 0.005 % (w/w) benzo[a]pyrene (EINECS No 200-028-5)
2,4-dinitrotoluene		204-450-0	121-14-2	Carcinogenic (Article 57a)	01/13/10	https://echa.europa.eu/documents/10162/7700e235-3ba5-44d4-9ab9-5ace916ca7b3	https://echa.europa.eu/documents/10162/a8b8d40f-1cea-4daf-9f49-af3a2b2d50d9	https://echa.europa.eu/documents/10162/b5db559d-a89d-4fc4-a273-dba250fb4201	https://echa.europa.eu/documents/10162/2bca3e81-17de-68e1-47ad-f34f0e3dd1de	
Triethyl arsenate	-	427-700-2	15606-95-8	Carcinogenic (Article 57a)	10/28/08	https://echa.europa.eu/documents/10162/6d48ec99-f364-44de-92a5-62d505ea3724	https://echa.europa.eu/documents/10162/e7756763-29b1-4135-8aa6-2b20d8e672a1	https://echa.europa.eu/documents/10162/d3a393bf-e221-4fa1-8d81-082c2ac3cf8f		
Sodium dichromate		234-190-3	10588-01-9, 7789-12-0	Carcinogenic (Article 57a),Mutagenic (Article 57b),Toxic for reproduction (Article 57c)	10/28/08	https://echa.europa.eu/documents/10162/0594aba7-e06e-45bd-807d-3eb9bd74024c	https://echa.europa.eu/documents/10162/03566bd3-3a60-40b1-8a7d-86ea5737a0f6	https://echa.europa.eu/documents/10162/52c64496-821b-4a74-bc1a-d9fc2040b651	https://echa.europa.eu/documents/10162/23a67aca-ee8c-be65-16b8-cf4b1ea48c67	
Lead hydrogen arsenate		232-064-2	7784-40-9	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	10/28/08	https://echa.europa.eu/documents/10162/ebdb28e4-ea63-4f11-8b2e-c299ad5ebd07	https://echa.europa.eu/documents/10162/f1ac3df6-c52a-4870-847b-1d6a74e1b034	https://echa.europa.eu/documents/10162/ee0a9b5c-6f5e-43d7-8ef5-76b068bb4732	https://echa.europa.eu/documents/10162/7b55c9ab-6322-4ebe-2deb-6914e6e0ec87	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Hexabromocyclododecane (HBCDD)	and all major diastereoisomers identified	-	-	PBT (Article 57d)	10/28/08	https://echa.europa.eu/documents/10162/471aceac-4e5e-4c53-a4b2-23159a290893	https://echa.europa.eu/documents/10162/df4ad28a-899d-4e76-8529-eda8bc6591ae,https://echa.europa.eu/documents/10162/938b85d2-d87c-480a-b697-bad2e5eced3d,https://echa.europa.eu/documents/10162/0412300e-9170-4eb7-87c4-9bd3bad4ca42,https://echa.europa.eu/documents/10162/7b768673-ea38-4822-9712-45b7dca0c2d8,https://echa.europa.eu/documents/10162/63d654f6-5400-449d-81bb-1aa6518d7ca3	https://echa.europa.eu/documents/10162/1fc837ef-f922-476e-8e00-825ab60213c0	https://echa.europa.eu/documents/10162/e109c7be-6fd0-e12e-4c92-7e12d56fead8	
1,2,5,6,9,10-hexabromocyclododecane		221-695-9	3194-55-6	PBT (Article 57d)	10/28/08	https://echa.europa.eu/documents/10162/471aceac-4e5e-4c53-a4b2-23159a290893	https://echa.europa.eu/documents/10162/df4ad28a-899d-4e76-8529-eda8bc6591ae,https://echa.europa.eu/documents/10162/938b85d2-d87c-480a-b697-bad2e5eced3d,https://echa.europa.eu/documents/10162/0412300e-9170-4eb7-87c4-9bd3bad4ca42,https://echa.europa.eu/documents/10162/7b768673-ea38-4822-9712-45b7dca0c2d8,https://echa.europa.eu/documents/10162/63d654f6-5400-449d-81bb-1aa6518d7ca3	https://echa.europa.eu/documents/10162/1fc837ef-f922-476e-8e00-825ab60213c0	https://echa.europa.eu/documents/10162/e109c7be-6fd0-e12e-4c92-7e12d56fead8	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Hexabromocyclododecane		247-148-4	25637-99-4	PBT (Article 57d)	10/28/08	https://echa.europa.eu/documents/10162/471aceac-4e5e-4c53-a4b2-23159a290893	https://echa.europa.eu/documents/10162/df4ad28a-899d-4e76-8529-eda8bc6591ae,https://echa.europa.eu/documents/10162/938b85d2-d87c-480a-b697-bad2e5eced3d,https://echa.europa.eu/documents/10162/0412300e-9170-4eb7-87c4-9bd3bad4ca42,https://echa.europa.eu/documents/10162/7b768673-ea38-4822-9712-45b7dca0c2d8,https://echa.europa.eu/documents/10162/63d654f6-5400-449d-81bb-1aa6518d7ca3	https://echa.europa.eu/documents/10162/1fc837ef-f922-476e-8e00-825ab60213c0	https://echa.europa.eu/documents/10162/e109c7be-6fd0-e12e-4c92-7e12d56fead8	
alpha-hexabromocyclododecane		-	134237-50-6	PBT (Article 57d)	10/28/08	https://echa.europa.eu/documents/10162/471aceac-4e5e-4c53-a4b2-23159a290893	https://echa.europa.eu/documents/10162/df4ad28a-899d-4e76-8529-eda8bc6591ae,https://echa.europa.eu/documents/10162/938b85d2-d87c-480a-b697-bad2e5eced3d,https://echa.europa.eu/documents/10162/0412300e-9170-4eb7-87c4-9bd3bad4ca42,https://echa.europa.eu/documents/10162/7b768673-ea38-4822-9712-45b7dca0c2d8,https://echa.europa.eu/documents/10162/63d654f6-5400-449d-81bb-1aa6518d7ca3	https://echa.europa.eu/documents/10162/1fc837ef-f922-476e-8e00-825ab60213c0	https://echa.europa.eu/documents/10162/e109c7be-6fd0-e12e-4c92-7e12d56fead8	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
beta-hexabromocyclododecane		-	134237-51-7	PBT (Article 57d)	10/28/08	https://echa.europa.eu/documents/10162/471aceac-4e5e-4c53-a4b2-23159a290893	https://echa.europa.eu/documents/10162/df4ad28a-899d-4e76-8529-eda8bc6591ae,https://echa.europa.eu/documents/10162/938b85d2-d87c-480a-b697-bad2e5eced3d,https://echa.europa.eu/documents/10162/0412300e-9170-4eb7-87c4-9bd3bad4ca42,https://echa.europa.eu/documents/10162/7b768673-ea38-4822-9712-45b7dca0c2d8,https://echa.europa.eu/documents/10162/63d654f6-5400-449d-81bb-1aa6518d7ca3	https://echa.europa.eu/documents/10162/1fc837ef-f922-476e-8e00-825ab60213c0	https://echa.europa.eu/documents/10162/e109c7be-6fd0-e12e-4c92-7e12d56fead8	
gamma-hexabromocyclododecane		-	134237-52-8	PBT (Article 57d)	10/28/08	https://echa.europa.eu/documents/10162/471aceac-4e5e-4c53-a4b2-23159a290893	https://echa.europa.eu/documents/10162/df4ad28a-899d-4e76-8529-eda8bc6591ae,https://echa.europa.eu/documents/10162/938b85d2-d87c-480a-b697-bad2e5eced3d,https://echa.europa.eu/documents/10162/0412300e-9170-4eb7-87c4-9bd3bad4ca42,https://echa.europa.eu/documents/10162/7b768673-ea38-4822-9712-45b7dca0c2d8,https://echa.europa.eu/documents/10162/63d654f6-5400-449d-81bb-1aa6518d7ca3	https://echa.europa.eu/documents/10162/1fc837ef-f922-476e-8e00-825ab60213c0	https://echa.europa.eu/documents/10162/e109c7be-6fd0-e12e-4c92-7e12d56fead8	
Dibutyl phthalate (DBP)		201-557-4	84-74-2	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - human health)	10/28/08	https://echa.europa.eu/documents/10162/d33fd29e-5170-440f-8c16-10ecd87cf472,https://echa.europa.eu/documents/10162/2f10864f-e748-0e86-9bc4-2b3964fbdace,https://echa.europa.eu/documents/10162/326a8103-bc47-fb36-0871-22b46ec9d66f	https://echa.europa.eu/documents/10162/431cf3aa-7e2f-43d5-ad4c-6b80ad7fbc91	https://echa.europa.eu/documents/10162/f36205a8-df0a-4e94-8763-2a6a02f0228c,https://echa.europa.eu/documents/10162/6b0b59e9-8ba8-03de-e8e9-735414f0611d	https://echa.europa.eu/documents/10162/173eff20-d119-4ed5-258a-1e613480c3ce	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Diarsenic trioxide		215-481-4	1327-53-3	Carcinogenic (Article 57a)	10/28/08	https://echa.europa.eu/documents/10162/d502da18-827f-408d-aa24-9fe0c7e6ed1b	https://echa.europa.eu/documents/10162/03f099fc-0057-49d9-a816-24c44d69b5c1	https://echa.europa.eu/documents/10162/8730b910-c1d4-4b87-b3e3-a94ce47fbc9b	https://echa.europa.eu/documents/10162/7dc14675-1df3-e89a-e05d-798e5f51749e	
Diarsenic pentaoxide		215-116-9	1303-28-2	Carcinogenic (Article 57a)	10/28/08	https://echa.europa.eu/documents/10162/7b11c857-a72d-4a8b-9efb-68d99ead7902	https://echa.europa.eu/documents/10162/76037d34-1e8c-405e-b594-8fe837e6095e	https://echa.europa.eu/documents/10162/91206b72-787f-4a2d-aa80-9d6f1f22fc55	https://echa.europa.eu/documents/10162/d1ff5c51-11a5-7aca-a48e-2393f45ce653	
Cobalt dichloride		231-589-4	7646-79-9	Carcinogenic (Article 57a),Toxic for reproduction (Article 57c)	10/28/08	https://echa.europa.eu/documents/10162/5633d67c-a61b-4bab-b6c5-c4a61cc99e00,https://echa.europa.eu/documents/10162/39173d0d-3258-4f23-ab18-a586bcb39567	https://echa.europa.eu/documents/10162/383cf518-9e20-495c-bbcf-8875b9373714	https://echa.europa.eu/documents/10162/7d541979-6f03-421b-91bb-039bfb326de1,https://echa.europa.eu/documents/10162/fdbfa509-c244-4537-85eb-07994f393f23	https://echa.europa.eu/documents/10162/1c469e55-cee2-7841-84f3-2d6abc372ed8	
Bis(tributyltin) oxide (TBTO)		200-268-0	56-35-9	PBT (Article 57d)	10/28/08	https://echa.europa.eu/documents/10162/1b18d017-1056-4c92-aeeb-f190ad674174	https://echa.europa.eu/documents/10162/e7faa0f6-cb40-4930-8931-537d261e43ff	https://echa.europa.eu/documents/10162/52f3fc94-c78f-436f-98ca-e0f845f37a9a	https://echa.europa.eu/documents/10162/6e66a086-935f-ab28-012c-262f5df9ef3b	
Bis (2-ethylhexyl)phthalate (DEHP)		204-211-0	117-81-7	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - environment),Endocrine disrupting properties (Article 57(f) - human health)	10/28/08	https://echa.europa.eu/documents/10162/c2ecc989-445d-40b9-a054-28671849b092,https://echa.europa.eu/documents/10162/30b654ce-1de3-487a-8696-e05617c3173b,https://echa.europa.eu/documents/10162/3b0d2893-b8db-86b9-6db0-6e06dc9aa10e,https://echa.europa.eu/documents/10162/88c20879-606b-03a6-11e4-9edb90e7e615	https://echa.europa.eu/documents/10162/331e209a-627f-4533-8690-fd33b74f305d	https://echa.europa.eu/documents/10162/9e33725c-05fc-41af-b06d-bb969c91b0ab,https://echa.europa.eu/documents/10162/fa429d23-21e7-4764-b223-6c8c98f8a01c,https://echa.europa.eu/documents/10162/3f5d91bc-0a63-04f8-8f62-ccc9c8265e7d	https://echa.europa.eu/documents/10162/9cc2ee2d-89f9-39c8-718e-c961a65d3fb9	
Benzyl butyl phthalate (BBP)		201-622-7	85-68-7	Toxic for reproduction (Article 57c),Endocrine disrupting properties (Article 57(f) - human health)	10/28/08	https://echa.europa.eu/documents/10162/7cad31ee-4818-4166-9212-b39ca33240bb,https://echa.europa.eu/documents/10162/dd4a532e-e277-5b52-9ba2-a94be60b7f17,https://echa.europa.eu/documents/10162/cfb492f3-424f-712c-130b-01c6e2d5074a	https://echa.europa.eu/documents/10162/20b09a46-f289-4e35-92d2-9cd039e71ba5	https://echa.europa.eu/documents/10162/b4024445-00ce-4849-9ab0-69aed88c51f2,https://echa.europa.eu/documents/10162/076491e2-fd0e-50be-61b4-908c663d0245	https://echa.europa.eu/documents/10162/77871a51-ef10-f53b-a903-a1f37266a674	

Substance name	Description	EC No.	CAS No.	Reason for inclusion	Date of inclusion	Decision	IUCLID dataset	Support document	Response to comments	Remarks
Anthracene		204-371-1	0120-12-07	PBT (Article 57d)	10/28/08	https://echa.europa.eu/documents/10162/143cd93d-ee58-40c1-b0f1-3713cbb11535	https://echa.europa.eu/documents/10162/c5f3267f-609d-4ccb-8645-5b7e02d3946c	https://echa.europa.eu/documents/10162/f7c1321a-6709-40d6-b683-1fb870fb0ac4	https://echa.europa.eu/documents/10162/79e1b8f9-85e4-63d0-b3b2-51da407473b7	
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)		287-476-5	85535-84-8	PBT (Article 57d),vPvB (Article 57e)	10/28/08	https://echa.europa.eu/documents/10162/e9713dc8-1855-4dab-9635-72ca8be244ae	https://echa.europa.eu/documents/10162/c0c51b06-7e2e-4934-b46f-0ba82015047c	https://echa.europa.eu/documents/10162/2edcfedb-ec53-4754-8598-e787a8ff7a58	https://echa.europa.eu/documents/10162/8eada19b-b66d-d5bf-d47c-76e934b88015	
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)		201-329-4	81-15-2	vPvB (Article 57e)	10/28/08	https://echa.europa.eu/documents/10162/e3747ed6-99b4-43d1-92ae-9c837ded241d	https://echa.europa.eu/documents/10162/e8716cf9-db7f-4073-88fa-18dd4480c61f	https://echa.europa.eu/documents/10162/909dd42e-2554-4f59-911a-729a2da1d529	https://echa.europa.eu/documents/10162/c85e5b93-3e53-a492-9e5e-677066967516	
4,4'-Diaminodiphenylmethane (MDA)		202-974-4	101-77-9	Carcinogenic (Article 57a)	10/28/08	https://echa.europa.eu/documents/10162/68f50f10-f55f-40be-9d1b-4fbbfdec7f96	https://echa.europa.eu/documents/10162/1c864bd5-399d-49a2-880b-a8ad54d458b5	https://echa.europa.eu/documents/10162/d36424e7-b12d-4dd8-832e-6d7e3e283fc3	https://echa.europa.eu/documents/10162/f243739c-1e71-3e19-9fa0-f2f15f861d23	