

RoHS and REACH COMPLIANCE*

Declaration of RoHS and REACH Compliance for 2022 for DBM Optix Enterprises Inc.

Laval, November 14, 2022

We hereby certify that RoHS restricted substances listed below are not intentionally added to any DBM Optix products. Also, these substances are not part of the resin used for the lens:

Source: <http://www.rohsguide.com> (updated on July 22, 2019)

- **Cadmium (Cd):** < 100 ppm
- **Lead (Pb):** < 1000 ppm
- **Mercury (Hg):** < 1000 ppm
- **Hexavalent Chromium: (Cr VI)** < 1000 ppm
- **Polybrominated Biphenyls (PBB):** < 1000 ppm
- **Polybrominated Diphenyl Ethers (PBDE):** < 1000 ppm
- **Bis(2-Ethylhexyl) phthalate (DEHP):** < 1000 ppm
- **Benzyl butyl phthalate (BBP):** < 1000 ppm
- **Dibutyl phthalate (DBP):** < 1000 ppm
- **Diisobutyl phthalate (DIBP):** < 1000 ppm

We also certify that DBM Optix products do not contain any Substance of Very High Concern (SVHC) in amounts > 0.1% (w/w) listed on the most current Candidate list.

See the attached list from <http://echa.europa.eu/candidate-list-table> (updated on June 10, 2022).



Robert Fortier
Quality Director

2022-11-14
Date Signed

Enclosure: REACH SVHC List (50 pages)

* Le rapport complet est sauvegardé dans la librairie SMQ-ENREGISTREMENT.

Candidate List of SVHC for authorisation

REACH SVHC dated June 10, 2022.

Actual new candidate list with 224 substances (SVHC-List)

ECHA Source: <http://echa.europa.eu/candidate-list-table>

Note: Group entries are split in different rows.

| 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) | 10-Jun-2022 | 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) | 17-Jan-2022 | 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) | 17-Jan-2022 | 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) | 17-Jan-2022 | 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-f6e2-864c-4df6a605c8ce | https://echa.europa.eu/documents/10162/92936d26-abe2-f0cb-9bdd-f5be90304c5b | |
| (±)-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) | 17-Jan-2022 | 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 | |
| (±)-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) | 17-Jan-2022 | 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) | 17-Jan-2022 | 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) | 17-Jan-2022 | 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) | 17-Jan-2022 | 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) | 17-Jan-2022 | 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,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) | 17-Jan-2022 | 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) | 17-Jan-2022 | 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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|---|-----------|-------------|---|-------------|---|---|---|---|
| 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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 | - | 27459-10-5 | Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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 (1:1) | - | 14890-53-0 | Toxic for reproduction (Article 57c) | 08-Jul-2021 | 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 | - | 22454-04-2 | Toxic for reproduction (Article 57c) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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, C14-16, chloro | - | 1372804-76-6 | PBT (Article 57d)#vPvB (Article 57e) | 08-Jul-2021 | 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 |

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|---|-----------|-------------|--|-------------|---|---|---|---|
| Alkanes, C14-17, chloro | 287-477-0 | 85535-85-9 | PBT (Article 57d)#vPvB (Article 57e) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | https://echa.europa.eu/documents/10162/27d5b22f-c74a-00c5-e988-d0d4db720822 | https://echa.europa.eu/documents/10162/12706f21-c551-9d0e-7b28-0c07bfc89be | https://echa.europa.eu/documents/10162/22d07e1a-0a10-7050-3dd7-c28264224db0 | https://echa.europa.eu/documents/10162/97e7c76f-99ad-ae48-dda3-fe76c5098e3f |
| 2,3-dibromo-1-propanol (2,3-DBPA) | 202-480-9 | 96-13-9 | Carcinogenic (Article 57a) | 08-Jul-2021 | https://echa.europa.eu/documents/10162/27d5b22f-c74a-00c5-e988-d0d4db720822 | https://echa.europa.eu/documents/10162/12706f21-c551-9d0e-7b28-0c07bfc89be | https://echa.europa.eu/documents/10162/22d07e1a-0a10-7050-3dd7-c28264224db0 | https://echa.europa.eu/documents/10162/97e7c76f-99ad-ae48-dda3-fe76c5098e3f |

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|---|-----------|------------|--|-------------|---|---|---|---|
| 2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA) | 253-057-0 | 36483-57-5 | Carcinogenic (Article 57a) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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) | 08-Jul-2021 | 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 |
| Dioclytin 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) | 19-Jan-2021 | 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/10162/162/879129fe-2615-0c9f-e91b-00b900d26c17 | https://echa.europa.eu/documents/10162/77d1fdea-6e60-9311-7e9e-301686ef38c6 |
| Stannane, dioctyl-, bis(coco acyloxy) derivs. | 293-901-5 | 91648-39-4 | Toxic for reproduction (Article 57c) | 19-Jan-2021 | 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/10162/162/879129fe-2615-0c9f-e91b-00b900d26c17 | https://echa.europa.eu/documents/10162/77d1fdea-6e60-9311-7e9e-301686ef38c6 |
| Dioclytin dilaurate | 222-883-3 | 3648-18-8 | Toxic for reproduction (Article 57c) | 19-Jan-2021 | 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/10162/162/879129fe-2615-0c9f-e91b-00b900d26c17 | https://echa.europa.eu/documents/10162/77d1fdea-6e60-9311-7e9e-301686ef38c6 |
| dioclytin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. | - | - | Toxic for reproduction (Article 57c) | 19-Jan-2021 | 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/10162/162/879129fe-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) | 19-Jan-2021 | 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/10162/3bdb35b-91e1-3a8a-302a-2ba6313cc50e |
| Dibutylbis(pentane-2,4-dionato-O,O')tin | 245-152-0 | 22673-19-4 | Toxic for reproduction (Article 57c) | 25-Jun-2020 | https://echa.europa.eu/documents/10162/10861be8-f130-266d-ca8f-c6c7139fe6d9 | https://echa.europa.eu/documents/10162/6f8822c-faae-8f80-7121-9e64752668dc | https://echa.europa.eu/documents/10162/162/741c3cb4-34b1-3dc3-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) | 25-Jun-2020 | 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-c04a93b20e9 |
| 2-methylimidazole | 211-765-7 | 693-98-1 | Toxic for reproduction (Article 57c) | 25-Jun-2020 | 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/10162/162/03e937e3-2f19-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) | 25-Jun-2020 | 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 |

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|---|-----------|------------|---|-------------|---|---|---|---|---|
| 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) | 16-Jan-2020 | 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. |
| 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) | 16-Jan-2020 | 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. |

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|---|-----------|-------------|---|-------------|---|---|---|---|---|
| 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) | 16-Jan-2020 | 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. |
| 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) | 16-Jan-2020 | 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. |

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|--|-----------|-------------|---|-------------|---|---|---|---|---|
| tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate | 444-440-5 | 220689-12-3 | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | 16-Jan-2020 | 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. |
| 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) | 16-Jan-2020 | 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. |

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|--|-----------|-------------|---|-------------|---|---|---|---|---|
| Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate | 269-513-7 | 68259-10-9 | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | 16-Jan-2020 | 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. |
| 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) | 16-Jan-2020 | 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. |

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|---|---|-------------|---|-------------|---|---|---|---|---|
| N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate | - | 25628-08-4 | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | 16-Jan-2020 | 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. |
| 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) | 16-Jan-2020 | 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. |

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|---------------------------------------|---|-------------|---|-------------|---|---|---|---|---|
| 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) | 16-Jan-2020 | 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. |
| 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) | 16-Jan-2020 | 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. |

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|--|--|-------------|---|--------------------------------------|---|---|---|---|---|--|
| 1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate | 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) | 16-Jan-2020 | 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. | |
| Diisohexyl phthalate | 276-090-2 | 71850-09-4 | Toxic for reproduction (Article 57c) | 16-Jan-2020 | https://echa.europa.eu/documents/10162/802ed481-8bf1-0096-61a4-0bbd2f9b573c | https://echa.europa.eu/documents/10162/c9adb8d-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 | 71868-10-5 | Toxic for reproduction (Article 57c) | 16-Jan-2020 | 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'-morpholinobutrophenone | CG 25-369; IRGACURE 369; TK 11-319 | 404-360-3 | 119313-12-1 | Toxic for reproduction (Article 57c) | 16-Jan-2020 | 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 ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | - | - | Endocrine disrupting properties (Article 57(f) - environment) | 16-Jul-2019 | 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(nonylphenyl) phosphite | 247-759-6 | 26523-78-4 | Endocrine disrupting properties (Article 57(f) - environment) | 16-Jul-2019 | 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) | 16-Jul-2019 | 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) | 16-Jul-2019 | 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) | 16-Jul-2019 | 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 | | |

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| Phenol, p-isononyl-, phosphite (3:1) | - | 31631-13-7 | Endocrine disrupting properties (Article 57(f) - environment) | 16-Jul-2019 | 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) | 16-Jul-2019 | 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) | 16-Jul-2019 | https://echa.europa.eu/documents/10162/b7bc601c-ad77-4e90-0cdf-2701a59478fb | https://echa.europa.eu/documents/10162/eeaf50979-c40b-f00f-b767-891e93941ee1 | https://echa.europa.eu/documents/10162/162/874297f1-6d65-b808-a62e-5d23cc5f1e5c | https://echa.europa.eu/documents/10162/7357fc26-f169-a309-95b1-7693dada001b | |
| 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) | 16-Jul-2019 | 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. |
| 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) | 16-Jul-2019 | 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. |

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| 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) | 16-Jul-2019 | https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832 | https://echa.europa.eu/documents/10162/c07-bc76c-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. |
| 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) | 16-Jul-2019 | https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832 | https://echa.europa.eu/documents/10162/c07-bc76c-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. |

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| 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) | 16-Jul-2019 | https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832 | https://echa.europa.eu/documents/10162/c07-bc76c-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. |
| 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) | 16-Jul-2019 | https://echa.europa.eu/documents/10162/fc76aefc-fc86-a5fc-b5c4-e358467ca832 | https://echa.europa.eu/documents/10162/c07-bc76c-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. |

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|---|-----------------------------|------------|---|---|---|---|---|---|---|
| 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) | 16-Jul-2019 | 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) | 15-Jan-2019 | 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/10162/162/47121daf-04a7-6d4a-b0b6-595794d3e66c | https://echa.europa.eu/documents/10162/e824171c-1263-b1a2-4438-c5add37de2fa | |
| Phenanthrene | 201-581-5 | 85-01-8 | vPvB (Article 57e) | 15-Jan-2019 | 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/10162/162/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) | 15-Jan-2019 | 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 | 207-08-9 | Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e) | 15-Jan-2019 | 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-40ec8daddac | |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | AP-5 | 401-720-1 | 6807-17-6 | Toxic for reproduction (Article 57c) | 15-Jan-2019 | 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 |
| 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) | 15-Jan-2019 | 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) | 27-Jun-2018 | 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) | 27-Jun-2018 | https://echa.europa.eu/documents/10162/2be7bcfb-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) | 27-Jun-2018 | 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) | 27-Jun-2018 | 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 |

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|---|--|-----------|--------------|---|-------------|---|---|---|---|---|
| Dodecamethylcyclhexasiloxane | D6 | 208-762-8 | 540-97-6 | PBT (Article 57d)#vPvB (Article 57e) | 27-Jun-2018 | https://echa.europa.eu/documents/10162/b11de9bc6e60-01f9-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 | Dodecamethylcyclhexasiloxane (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 ≥ 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 ≥ 0.1 % w/w decamethylcyclopentasiloxane (D5) (EC No. 208-764-9) or ≥ 0.1% w/w octamethylcyclotetrasiloxane (D4) (EC No. 209-136-7). |
| Disodium octaborate | | 234-541-0 | 12008-41-2 | Toxic for reproduction (Article 57c) | 27-Jun-2018 | https://echa.europa.eu/documents/10162/74a5fdff-6a00-d3b4-4056-a5b24e9ba6e | 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) | 27-Jun-2018 | https://echa.europa.eu/documents/10162/8c434af5-cfbc-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 | 541-02-6 | PBT (Article 57d)#vPvB (Article 57e) | 27-Jun-2018 | 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 ≥ 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) | 27-Jun-2018 | 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) | 27-Jun-2018 | 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 ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPb) | - | - | Endocrine disrupting properties (Article 57(f) - environment) | 15-Jan-2018 | 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 | |
| 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) | 15-Jan-2018 | 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 | |

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| 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) | 15-Jan-2018 | 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 | 218-01-9 | Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e) | 15-Jan-2018 | 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) | 15-Jan-2018 | 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-cd0fdb4fbd0 | 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) | 15-Jan-2018 | 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/10162/162/38688481-353e-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) | 15-Jan-2018 | 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) | 15-Jan-2018 | 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-e379-55eccc998d3f | https://echa.europa.eu/documents/10162/efef93e7-63f5-75b8-9f6e-d260b0c595ab |
| 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1.6,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus™") covering any of its individual anti- and syn-isomers or any combination thereof | - | - | vPvB (Article 57e) | 15-Jan-2018 | 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[12.2.1.1.6,9.0 ² ,13.0 ⁵ ,10]octadeca-7,15-diene | - | 135821-03-3 | vPvB (Article 57e) | 15-Jan-2018 | 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 |

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| 1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.1.16,9.02,13.05,10]octadeca-7,15-diene | 236-948-9 | 13560-89-9 | vPvB (Article 57e) | 15-Jan-2018 | 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[12.2.1.1.1 ⁶ ,9.0 ² ,13.0 ⁵ ,10]octadeca-7,15-diene | - | 135821-74-8 | vPvB (Article 57e) | 15-Jan-2018 | 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) | 15-Jan-2018 | 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) | 15-Jan-2018 | 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 |
| Perfluorohexane-1-sulphonic acid and its salts PFHxS | - | - | vPvB (Article 57e) | 07-Jul-2017 | 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-Jul-2017 | 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 | 68259-08-5 | vPvB (Article 57e) | 07-Jul-2017 | 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-Jul-2017 | 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-Jul-2017 | 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 |

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| 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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-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) | - | 144116-10-9 | vPvB (Article 57e) | 07-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-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-[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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-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, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | - | 153443-35-7 | vPvB (Article 57e) | 07-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-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-hexanesulfonic acid (1:1) | - | 189274-31-5 | vPvB (Article 57e) | 07-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-a141-ec53d76b4707#https://echa.europa.eu/documents/10162/1f48372e-97dd-db9f-4335-8cec7ae55eee | https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2 |

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|--|---|-------------|--------------------|-------------|---|---|---|---|
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1) | - | 202189-84-2 | vPvB (Article 57e) | 07-Jul-2017 | 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-tridecafluoro-1-hexanesulfonate (1:1) | - | 213740-81-9 | vPvB (Article 57e) | 07-Jul-2017 | 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)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1) | - | 341548-85-4 | vPvB (Article 57e) | 07-Jul-2017 | 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-, scandium(3+) salt (3:1) | - | 350836-93-0 | vPvB (Article 57e) | 07-Jul-2017 | 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-Jul-2017 | 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-Jul-2017 | 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-Jul-2017 | 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-tridecafluoro-1-hexanesulfonic | - | 421555-74-0 | vPvB (Article 57e) | 07-Jul-2017 | 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-tridecafluoro-1-hexanesulfonate (1:1) | - | 425670-70-8 | vPvB (Article 57e) | 07-Jul-2017 | 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 |

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| 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-Jul-2017 | 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-Jul-2017 | 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 N,N-diethylethanamine (1:1) | - | 72033-41-1 | vPvB (Article 57e) | 07-Jul-2017 | 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 | - | 82382-12-5 | vPvB (Article 57e) | 07-Jul-2017 | 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) (9Cl) | - | 866621-50-3 | vPvB (Article 57e) | 07-Jul-2017 | 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-Jul-2017 | 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-Jul-2017 | 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-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[3.3.1.1 ^{3,7}]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate | - | 911027-69-5 | vPvB (Article 57e) | 07-Jul-2017 | 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 |

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| 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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-a141-ec53d76b4707#https://echa.europa.eu/documents/10162/1f48372e-97dd-b9f-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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-a141-ec53d76b4707#https://echa.europa.eu/documents/10162/1f48372e-97dd-b9f-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 pyrrolidine (1:1) | - | 1187817-57-7 | vPvB (Article 57e) | 07-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-a141-ec53d76b4707#https://echa.europa.eu/documents/10162/1f48372e-97dd-b9f-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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-a141-ec53d76b4707#https://echa.europa.eu/documents/10162/1f48372e-97dd-b9f-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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-a141-ec53d76b4707#https://echa.europa.eu/documents/10162/1f48372e-97dd-b9f-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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-a141-ec53d76b4707#https://echa.europa.eu/documents/10162/1f48372e-97dd-b9f-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-Jul-2017 | 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/10162/162/149c1af7-6375-9ad5-a141-ec53d76b4707#https://echa.europa.eu/documents/10162/1f48372e-97dd-b9f-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) | 12-Jan-2017 | 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/10162/162/02d37927-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) | 12-Jan-2017 | 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/10162/162/48c9acdc-7474-b256-e8cb-b0c6c1e5f2d0 | https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2 |
| Nonadecafluorodecanoic acid | 206-400-3 | 335-76-2 | Toxic for reproduction (Article 57c)#PBT (Article 57d) | 12-Jan-2017 | 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/10162/162/48c9acdc-7474-b256-e8cb-b0c6c1e5f2d0 | https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2 |
| sodium nonadecafluorodecanoate | - | 3830-45-3 | Toxic for reproduction (Article 57c)#PBT (Article 57d) | 12-Jan-2017 | 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/10162/162/48c9acdc-7474-b256-e8cb-b0c6c1e5f2d0 | https://echa.europa.eu/documents/10162/9cbe10e5-9e87-4992-4097-ea127ca394e2 |

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| Ammonium nonadecafluorodecanoate | 221-470-5 | 3108-42-7 | Toxic for reproduction (Article 57c)#PBT (Article 57d) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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 | 72624-02-3 | Endocrine disrupting properties (Article 57(f) - environment) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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-methylhexan-2-yl)phenol | - | 30784-31-7 | Endocrine disrupting properties (Article 57(f) - environment) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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 |

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| 4-(4,4-dimethylpentan-2-yl)phenol | - | 911371-07-8 | Endocrine disrupting properties (Article 57(f) - environment) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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-(2,2-dimethylpentan-3-yl)phenol | - | 861010-65-3 | Endocrine disrupting properties (Article 57(f) - environment) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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 |

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|---|---|--------------|---|-------------|---|---|---|---|
| 4-(3-methylhexyl)phenol | - | 102570-52-5 | Endocrine disrupting properties (Article 57(f) - environment) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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-tert-heptyl- | - | 288864-02-8 | Endocrine disrupting properties (Article 57(f) - environment) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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) | 12-Jan-2017 | 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 | - | 72861-06-4 | Endocrine disrupting properties (Article 57(f) - environment) | 12-Jan-2017 | 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 |

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| 4-(5-methylhexan-3-yl)phenol | - | 854904-92-0 | Endocrine disrupting properties (Article 57(f) - environment) | 12-Jan-2017 | 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 | Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health) | 12-Jan-2017 | https://echa.europa.eu/documents/10162/36834f25-582c-0855-37fb-bd20b409382c#https://echa.europa.eu/documents/10162/eed2c09-2263-25ad-49cd-a0926736c877#https://echa.europa.eu/documents/10162/ede153a4-db00-daf6-120f-6b6ccce0c539 | https://echa.europa.eu/documents/10162/a6d6937-cc9c-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/10162/9ab8b9b-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 | Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#PBT (Article 57d)#VPB (Article 57e) | 20-Jun-2016 | 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 |
| Perfluorononan-1-oic-acid and its sodium and ammonium salts | - | - | Toxic for reproduction (Article 57c)#PBT (Article 57d) | 17-Dec-2015 | 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 | Toxic for reproduction (Article 57c)#PBT (Article 57d) | 17-Dec-2015 | 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) | 17-Dec-2015 | 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) | 17-Dec-2015 | 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 | Toxic for reproduction (Article 57c) | 17-Dec-2015 | 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-4ecc3880ebe5 | 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 | vPvB (Article 57e) | 17-Dec-2015 | 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 | vPvB (Article 57e) | 17-Dec-2015 | 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 | Carcinogenic (Article 57a) | 17-Dec-2015 | https://echa.europa.eu/documents/10162/513d6dfe-b82b-a513-687a-d7a8ce6e8a59 | https://echa.europa.eu/documents/10162/abd960-50e9-44b4-a02d-4a3c9a622bdc | https://echa.europa.eu/documents/10162/08f7169e-1697-4323-b13a-b0370486eff96 | 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) | 15-Jun-2015 | 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-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) | 15-Jun-2015 | 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 |

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| 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)- | - | 117933-89-8 | vPvB (Article 57e) | 15-Jun-2015 | 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) | 15-Jun-2015 | 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) | 15-Jun-2015 | 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) | 15-Jun-2015 | 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- | - | 676367-05-8 | vPvB (Article 57e) | 15-Jun-2015 | 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-rel- | - | 343934-04-3 | vPvB (Article 57e) | 15-Jun-2015 | 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- | - | 676367-09-2 | vPvB (Article 57e) | 15-Jun-2015 | 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- | - | 343934-05-4 | vPvB (Article 57e) | 15-Jun-2015 | 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- | - | 676367-04-7 | vPvB (Article 57e) | 15-Jun-2015 | 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- | - | 676367-08-1 | vPvB (Article 57e) | 15-Jun-2015 | 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- | - | 676367-03-6 | vPvB (Article 57e) | 15-Jun-2015 | 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) | 15-Jun-2015 | 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- | - | 676367-02-5 | vPvB (Article 57e) | 15-Jun-2015 | 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- | - | 676367-06-9 | vPvB (Article 57e) | 15-Jun-2015 | 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) | 15-Jun-2015 | 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 | |
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters | with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5) | - | Toxic for reproduction (Article 57c) | 15-Jun-2015 | 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) | 15-Jun-2015 | 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 |

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|--|-----------|------------------------|---|-------------|---|---|---|---|
| 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters | 271-094-0 | 68515-51-5 | Toxic for reproduction (Article 57c) | 15-Jun-2015 | 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) | 17-Dec-2014 | 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) | 17-Dec-2014 | 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 |
| 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) | 17-Dec-2014 | https://echa.europa.eu/documents/10162/e333469a-fca7-48c2-a88f-52eaa8e7ad7e | https://echa.europa.eu/documents/10162/0bb6429-659f-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) | 17-Dec-2014 | 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) | 17-Dec-2014 | 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) | 17-Dec-2014 | 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/10162/162/31f2c070-ad6f-4de9-b17d-402eedb05eac | https://echa.europa.eu/documents/10162/e324f17f-e945-74ac-a7ea-9471cc2bfdec |
| Sodium peroxometaborate | 231-556-4 | 7632-04-4 | Toxic for reproduction (Article 57c) | 16-Jun-2014 | 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) | 16-Jun-2014 | 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) | 16-Jun-2014 | 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) | 16-Jun-2014 | 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[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6) | - | 125022-34-6 | Toxic for reproduction (Article 57c) | 16-Jun-2014 | 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[μ-(peroxy-κO1:κO2)]di-, sodium (1:2) | - | 90568-23-3 | Toxic for reproduction (Article 57c) | 16-Jun-2014 | 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 |

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|---|-----------|------------|---|-------------|---|---|---|---|
| Perboric acid (H3BO2(O2)), monosodium salt, trihydrate | - | 13517-20-9 | Toxic for reproduction (Article 57c) | 16-Jun-2014 | 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/10162/162/42fee5a3-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) | 16-Jun-2014 | https://echa.europa.eu/documents/10162/e2bc867c-de85-4d6d-a9d6-d856ab51685c | https://echa.europa.eu/documents/10162/a7d0fc7f-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) | 16-Jun-2014 | 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) | 16-Dec-2013 | 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/10162/162/aa428e86-ed97-4450-8e78-cdbb06e46c8f | https://echa.europa.eu/documents/10162/3e37f35a-48a7-7ce9-a97d-7659def7e080 |
| Lead di(acetate) | 206-104-4 | 301-04-2 | Toxic for reproduction (Article 57c) | 16-Dec-2013 | 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/10162/162/49fa197b-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) | 16-Dec-2013 | 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/10162/162/24751f9c-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) | 16-Dec-2013 | 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/10162/162/ef1f3daa-fc8b-4bf5-8bd1-71e80a2adff62 | 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) | 16-Dec-2013 | 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/10162/162/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) | 16-Dec-2013 | 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/10162/162/65336c46-c178-4b71-a927-15437e8b303a | https://echa.europa.eu/documents/10162/fa40d148-4f2d-9cbe-7295-c2ada7db7356 |
| Cadmium sulphide | 215-147-8 | 1306-23-6 | Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | 16-Dec-2013 | 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) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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/10162/162/11bbf18f-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) | 20-Jun-2013 | 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 |

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|---|---|-----------|------------|--|-------------|---|---|---|---|
| Cadmium | | 231-152-8 | 7440-43-9 | Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol | | 230-770-5 | 7311-27-5 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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-nonylphenoxy)ethoxy]ethanol | | 243-816-4 | 20427-84-3 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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 |

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|---|---------------------------|-----------|------------|---|-------------|---|---|---|---|
| 4-Nonylphenol, ethoxylated | 1 - 2.5 moles ethoxylated | 500-045-0 | 26027-38-3 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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), α -(nonylphenyl)- ω -hydroxy-, branched | | - | 68412-54-4 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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), α -(nonylphenyl)- ω -hydroxy-, branched | | - | 68412-54-4 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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 (8-EO) | | - | 9016-45-9 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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 (6,5-EO) | | - | 9016-45-9 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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 |

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|--|---|-------------|---|-------------|---|---|---|---|
| Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy- (CAS 9016-45-9) | - | 9016-45-9 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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) | - | - | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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 (CAS: 127087-87-0) | - | - | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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 | - | 156609-10-8 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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)- | - | 20636-48-0 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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 |

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|--|---------------------------|--------------|---|---|---|---|---|---|---|
| 2-(isononylphenoxy)ethanol | 284-987-5 | 85005-55-6 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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 |
| 17-(4-nonylphenoxy)-3,6,9,12,15-pentaaxaheptadecan-1-ol | - | 34166-38-6 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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 | |
| Nonylphenolpolyglycoether | - | - | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaaxahexacosan-1-ol | 255-695-5 | 42173-90-0 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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-hexaaxicosan-1-ol | 265-785-6 | 65455-69-8 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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 | |

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|--|-----------|--------------|---|-------------|---|---|---|---|
| 44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaoxatetracontanol | 260-678-0 | 57321-10-5 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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 | 27177-08-8 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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-heptaotricosan-1-ol | 248-293-6 | 27177-05-5 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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 | 27177-03-3 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaohexacosan-1-ol | 247-816-5 | 26571-11-9 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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 | 26264-02-8 | Endocrine disrupting properties (Article 57(f) - environment) | 20-Jun-2013 | 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) | 20-Jun-2013 | 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) | 19-Dec-2012 | 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/10162/162/0b3bfddb-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) | 19-Dec-2012 | 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/10162/162/4641a546-af85-9bd7-f550-8a6269bd02f8 | https://echa.europa.eu/documents/10162/2620a423-631b-ddac-0985-f657f444b4be |
| Tricosafuorododecanoic acid | 206-203-2 | 307-55-1 | vPvB (Article 57e) | 19-Dec-2012 | 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/10162/162/44fd0731-2211-0216-b984-e3cd0f32d5ca | https://echa.europa.eu/documents/10162/ed8c31e6-8c70-9a9f-6861-06cd4d493c09 |

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|---|---|-------------|--|--------------------------------------|---|---|---|---|---|
| Tetralead trioxide sulphate | 235-380-9 | 12202-17-4 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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/10162/162/735b9afe-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) | 19-Dec-2012 | 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/10162/162/136a8d6e-ebac-4000-8183-ad9176fd134b | https://echa.europa.eu/documents/10162/35c5243b-558d-85ff-94f8-e54babe4986 | |
| Sulfurous acid, lead salt, dibasic | 263-467-1 | 62229-08-7 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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/cc60ca7-538e-4a5b-88fe-b1a635241a45 | https://echa.europa.eu/documents/10162/679974d0-99da-fb52-5344-70942eaf0b21 | |
| Silicic acid, lead salt | 234-363-3 | 11120-22-2 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD),the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008 | 272-271-5 | 68784-75-8 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/6bd3a623-dcbc-43ff-a5fa-8f710fc4053b | https://echa.europa.eu/documents/10162/d0de0c48-5768-4589-8dd4-dbcdfce8e7dd | 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) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/9e101a56-02e0-481f-babb-e4f62d36912b | https://echa.europa.eu/documents/10162/3da568db-d1e1-4082-b0c7-78246cc1489 | https://echa.europa.eu/documents/10162/162/1014fa88-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) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/664946a7-1fba-487d-8d28-f47de7fb3a5c | https://echa.europa.eu/documents/10162/ad19a74-9ef0-4920-93c5-0b25d600b8c4 | https://echa.europa.eu/documents/10162/162/5a790e77-efd4-4c56-84bb-b00a92b732b4 | https://echa.europa.eu/documents/10162/690d1df2-8058-e37f-235f-ca184e88ea88 | |
| Pentacosfluorotridecanoic acid | 276-745-2 | 72629-94-8 | vPvB (Article 57e) | 19-Dec-2012 | 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/10162/162/4894dac8-608d-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) | 19-Dec-2012 | 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-5892-0d45-484e326f700 | https://echa.europa.eu/documents/10162/9d2032aa-9839-6ab3-dc80-3b9227d496b0 | |
| o-toluidine | 202-429-0 | 95-53-4 | Carcinogenic (Article 57a) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/953517b-b-4055-4a5b-9ed7-4bb69c3b96e7 | https://echa.europa.eu/documents/10162/c4e9db39-8285-48d9-87b3-29c15c861802 | https://echa.europa.eu/documents/10162/162/2963ade6-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) | 19-Dec-2012 | 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/10162/162/b94dedbc-8af4-4223-b68e-fcddcce3119 | https://echa.europa.eu/documents/10162/6b9044f3-d941-fb0d-096b-286a4dd77761 | |
| n-pentyl-isopentyl phthalate | - | 776297-69-9 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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/10162/162/73ef6184-8578-44dc-ac23-8034f1db5471 | https://echa.europa.eu/documents/10162/604ad38f-b652-c9af-2d99-88eba89b1809 | |
| N-methylacetamide | 201-182-6 | 79-16-3 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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/10162/162/df25f106-5e4c-4f4b-baed-fc2251e9d233 | https://echa.europa.eu/documents/10162/45f25c3e-6382-15e2-b6cc-d981bb3caa0f | |
| N,N-dimethylformamide | 200-679-5 | 68-12-2 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/52c73750-c192-457c-9c48-2bd9776ceec88 | https://echa.europa.eu/documents/10162/e3a1814f-6a8c-4c02-858e-74f98d525824 | https://echa.europa.eu/documents/10162/162/64875a92-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) | 19-Dec-2012 | 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/10162/162/60dcbe57-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) | 19-Dec-2012 | 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/10162/162/0be0390a-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) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/01818c6d-bcc9-4136-9eec-888823ac5fb0 | 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 | |

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|--------------------------------------|---|------------|---|-------------|---|---|---|---|
| Lead titanium trioxide | 235-038-9 | 12060-00-3 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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/a1fbae0a-5718-38cc-c08a-66341ecb969e | https://echa.europa.eu/documents/10162/c5034009-0357-8d59-0128-23c99ddeb4b |
| Lead oxide sulfate | 234-853-7 | 12036-76-9 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/ea71029e-f8de-4e5d-a393-6961aef6e14 | 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) | 19-Dec-2012 | 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/be34d0ca-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) | 19-Dec-2012 | 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) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/56f43ea4-a623-4d5e-b741-fee1fef7e771 | https://echa.europa.eu/documents/10162/0d9b7449-9ec1-4c1e-a117-294ccc4aa9d | https://echa.europa.eu/documents/10162/3d78e51f-bd96-fd06-4cd4-9d268d040478 | https://echa.europa.eu/documents/10162/5257f061-6e42-e233-84f3-1904b0529ce0 |
| Hexahydromethylphthalic anhydride | including cis- and trans - stereo isomeric forms and all possible combinations of the isomers | - | Respiratory sensitising properties (Article 57(f) - human health) | 19-Dec-2012 | 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/abb92cc-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) | 19-Dec-2012 | 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/abb92cc-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) | 19-Dec-2012 | 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/abb92cc-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) | 19-Dec-2012 | 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/abb92cc-984a-16e1-efce-37b665ecb79a | https://echa.europa.eu/documents/10162/723209fe-d033-bc5e-b307-9066ccf0426d |

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|--|-----------|------------|---|-------------|---|---|---|---|
| Hexahydro-4-methylphthalic anhydride | 243-072-0 | 19438-60-9 | Respiratory sensitising properties (Article 57(f) - human health) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/81052549-dd49-40b5-9388-b5a72a1a3fb3 | https://echa.europa.eu/documents/10162/bd282c4d-91b6-4537-9f27-b65a5fcbd48#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 |
| Heptacosfluorotetradecanoic acid | 206-803-4 | 376-06-7 | vPvB (Article 57e) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/1bcc-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-c819-74f437a976c |
| Henicosfluoroundecanoic acid | 218-165-4 | 2058-94-8 | vPvB (Article 57e) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/75ad-4e83-a9bb-c9f6dc81042e | https://echa.europa.eu/documents/10162/60adb1fb-d001-4a2a-b8bf-a0e05e29d156 | https://echa.europa.eu/documents/10162/162/9bcff514-6625-baa9-edd9-80ee9e82c86a | https://echa.europa.eu/documents/10162/bd48b5f6-b407-60e1-f06e-76dd605d92ae |
| Furan | 203-727-3 | 110-00-9 | Carcinogenic (Article 57a) | 19-Dec-2012 | 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/10162/162/8ab8b38b-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) | 19-Dec-2012 | 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/10162/162/13e375d0-709b-4203-b851-7cb5e0a87c80 | https://echa.europa.eu/documents/10162/6e6bc1b6-4695-bfb6-8746-445a90dad5ff |
| Dioxobis(stearato)trilead | 235-702-8 | 12578-12-0 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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/10162/162/01088b8d-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) | 19-Dec-2012 | 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/10162/162/34ec55f2-27d2-47d6-94f1-d39acaf3634f | https://echa.europa.eu/documents/10162/f90845a4-dc67-9a63-a3cb-57787b8b97e3 |
| Dimethyl sulphate | 201-058-1 | 77-78-1 | Carcinogenic (Article 57a) | 19-Dec-2012 | 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/10162/162/8fcaf1f0-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) | 19-Dec-2012 | 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/10162/162/34d906a5-2558-4faa-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) | 19-Dec-2012 | 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/10162/162/470b7f44-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) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/046189d-5-908b-447f-b91b-b3f97c9de5b5 | https://echa.europa.eu/documents/10162/f06ebc42-a92c-43a4-828a-a7c95ea2c961 | https://echa.europa.eu/documents/10162/162/2cbcb185-4207-1270-7189-6b9009db7b45 | 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) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/4739d79-9-2888-4031-b3eb-73a9d475347b | https://echa.europa.eu/documents/10162/055d66a6-9924-4386-900c-62c52c42bc62 | https://echa.europa.eu/documents/10162/a8f3a173-0bb2-cb27-d9aefafe356c329c | 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 | 19-Dec-2012 | 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) | 19-Dec-2012 | 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 |

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| trans-cyclohexane-1,2-dicarboxylic anhydride | 238-009-9 | 14166-21-3 | Respiratory sensitising properties (Article 57(f) - human health) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/b7a93309-0b81-4dbf-90e0-859bc0f41ce4 | https://echa.europa.eu/documents/10162/542-f4e26-c203-4587-a498-fbf33c9edeaba#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/10162/542-162/555606e7-97e2-592e-c100-03f5639a82f4 | https://echa.europa.eu/documents/10162/acfa14cb-0ed3-5a82-5366-964eeaab14cb |
| cis-cyclohexane-1,2-dicarboxylic anhydride | 236-086-3 | 13149-00-3 | Respiratory sensitising properties (Article 57(f) - human health) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/b7a93309-0b81-4dbf-90e0-859bc0f41ce4 | https://echa.europa.eu/documents/10162/542-f4e26-c203-4587-a498-fbf33c9edeaba#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/10162/542-162/555606e7-97e2-592e-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) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/7de8998e-c87a-4fa6-82fa-927ffbf0fe79 | https://echa.europa.eu/documents/10162/64b5b9c4-c549-4254-a917-0ff1b7c9fa1b | https://echa.europa.eu/documents/10162/162/046e853b-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) | 19-Dec-2012 | 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/10162/162/9d518786-9c9a-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) | 19-Dec-2012 | 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/10162/162/e27fbdcb-b252-4912-8965-a5bb89711203 | https://echa.europa.eu/documents/10162/32f33799-9835-71d0-b0d2-be45c318decc |
| [Phthalato(2-)]dioxotrilead | 273-688-5 | 69011-06-9 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/490c7fae94-48a0-83c9-99bc3c0a5e13 | https://echa.europa.eu/documents/10162/430ee50c-c98e-4e96-a689-d556fdd06665 | https://echa.europa.eu/documents/10162/162/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) | 19-Dec-2012 | 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/10162/162/9ee4bdb4-62a8-4ff5-a4f0-f0ced371f88f | https://echa.europa.eu/documents/10162/691261ea-6df2-8037-1230-7bd04b1494c |
| 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) | 19-Dec-2012 | 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/10162/162/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) | 19-Dec-2012 | 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/10162/162/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) | 19-Dec-2012 | 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/10162/162/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 |

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| Phenol, 4-nonyl-, branched | 284-325-5 | 84852-15-3 | Endocrine disrupting properties (Article 57(f) - environment) | 19-Dec-2012 | 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) | 19-Dec-2012 | 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) | 19-Dec-2012 | 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) | 19-Dec-2012 | 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) | 19-Dec-2012 | 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) | 19-Dec-2012 | 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) | 19-Dec-2012 | 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) | 19-Dec-2012 | 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 |
| Nonylphenol | 246-672-0 | 25154-52-3 | Endocrine disrupting properties (Article 57(f) - environment) | 19-Dec-2012 | 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 |

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| Phenol, nonyl-, branched | 291-844-0 | 90481-04-2 | Endocrine disrupting properties (Article 57(f) - environment) | 19-Dec-2012 | 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) | 19-Dec-2012 | 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) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/e7bb9247-f300-4887-9565-574dad453b71 | https://echa.europa.eu/documents/10162/0ffc-eb1b-180c-4965-a526-0b2d4b73c675 | https://echa.europa.eu/documents/10162/98b66e79-3f52-4792-aa74-1e9a1c674db4 | https://echa.europa.eu/documents/10162/b7379f98-961d-dc60-232e-2a8b4626e547 | |
| 4-aminoazobenzene | 200-453-6 | 60-09-3 | Carcinogenic (Article 57a) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/9cf3cd45-97d2-455a-a58b-86d721fb4f54 | https://echa.europa.eu/documents/10162/47a0aca7-2e63-4f48-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 | 19-Dec-2012 | 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-95eafad990b6748a | |
| Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether | - | 9002-93-1 | Endocrine disrupting properties (Article 57(f) - environment) | 19-Dec-2012 | 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-95eafad990b6748a | |
| | - | 2315-61-9 | Endocrine disrupting properties (Article 57(f) - environment) | 19-Dec-2012 | 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-95eafad990b6748a | |
| 2-[2-[4-(1,1,3,3-tetramethylbutyl)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) | 19-Dec-2012 | 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-95eafad990b6748a | |
| Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy- | - | 9036-19-5 | Endocrine disrupting properties (Article 57(f) - environment) | 19-Dec-2012 | 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-95eafad990b6748a | |
| | - | 2315-67-5 | Endocrine disrupting properties (Article 57(f) - environment) | 19-Dec-2012 | 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-95eafad990b6748a | |
| 2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]aniline and its salts | - | - | Carcinogenic (Article 57a)#Mutagenic (Article 57b) | 19-Dec-2012 | 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) | 19-Dec-2012 | 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 | |
| | 212-658-8 | 838-88-0 | Carcinogenic (Article 57a) | 19-Dec-2012 | 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-65bcd628d6209328 | |
| 4,4'-methylenedi-o-toluidine | | | | | | | | | |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | ZOLDINE MS-PLUS | 421-150-7 | 143860-04-2 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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-4ce0dde9981 |

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|---|---|-----------|------------|--------------------------------------|-------------|---|---|---|---|
| 1-bromopropane (n-propyl bromide) | | 203-445-0 | 106-94-5 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | https://echa.europa.eu/documents/10162/322977d5-5c50-467b-a5aa-14dd621301af | https://echa.europa.eu/documents/10162/Ofde3877-5c84-4343-ad20-a3327752a13a | https://echa.europa.eu/documents/10162/cfa3375a-66c2-02a7-43c1-3760fb518448 | https://echa.europa.eu/documents/10162/fb68a467-fa8f-3ea3-3735-3dde15221666 |
| 1,2-dioxyethane | | 211-076-1 | 629-14-1 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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-3d8bcfbf224 |
| 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear | | 284-032-2 | 84777-06-0 | Toxic for reproduction (Article 57c) | 19-Dec-2012 | 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-27df27fb777 | https://echa.europa.eu/documents/10162/28bc2e86-e6e2-569b-45ab-724e664a3b24 |
| α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) | with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) | 229-851-8 | 6786-83-0 | Carcinogenic (Article 57a) | 18-Jun-2012 | 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 (Michler's base) | | 202-959-2 | 101-61-1 | Carcinogenic (Article 57a) | 18-Jun-2012 | 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 |
| Lead(II) bis(methanesulfonate) | - | 401-750-5 | 17570-76-2 | Toxic for reproduction (Article 57c) | 18-Jun-2012 | 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/10162/23ba9d62-81b9-7a72-e33f-4d0674fd7aff |
| Formamide | | 200-842-0 | 75-12-7 | Toxic for reproduction (Article 57c) | 18-Jun-2012 | 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) | 18-Jun-2012 | https://echa.europa.eu/documents/10162/c42c7cd8-b8d9-4a53-987e-55f8b377ea03 | https://echa.europa.eu/documents/10162/de509422-112a-4234-8e67-326d02051364 | 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 $\geq 0.1\%$ 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) | 18-Jun-2012 | https://echa.europa.eu/documents/10162/4575515a-f67b-447e-afb0-9de9bd2f2d8b4 | 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-cfa9a9e21d505 |
| [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) | with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) | 208-953-6 | 548-62-9 | Carcinogenic (Article 57a) | 18-Jun-2012 | 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/10162/67b6321-6302-ef0d-b8b9-fa3c26a9e2bf |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | | 202-027-5 | 90-94-8 | Carcinogenic (Article 57a) | 18-Jun-2012 | 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 $\geq 0.1\%$ 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) | 18-Jun-2012 | 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 (β -TGIC) | - | 423-400-0 | 59653-74-6 | Mutagenic (Article 57b) | 18-Jun-2012 | 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) | 18-Jun-2012 | 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/10162/41e3ed1b-d112-e10c-31e1-11fd05c61743 |
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | | 203-977-3 | 112-49-2 | Toxic for reproduction (Article 57c) | 18-Jun-2012 | 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 |
| 1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | | 203-794-9 | 110-71-4 | Toxic for reproduction (Article 57c) | 18-Jun-2012 | 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 |

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|--|---|-----------|-------------|---|-------------|---|---|---|---|
| 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 than two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less than or equal to 18% by weight | - | - | Carcinogenic (Article 57a) | 19-Dec-2011 | 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/10162/162/8190e8e4-e315-4bcb-91f5-1548fbc46bc1 | https://echa.europa.eu/documents/10162/93002806-25a6-a48a-adf8-1626177e6722 |
| Refractories, fibers, aluminosilicate | | - | 142844-00-6 | Carcinogenic (Article 57a) | 19-Dec-2011 | 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/10162/162/8190e8e4-e315-4bcb-91f5-1548fbc46bc1 | 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) | 19-Dec-2011 | 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/10162/162/69699398-ddf0-4188-988f-a2464175a019 | https://echa.europa.eu/documents/10162/7fe7b854-e3c4-0da8-4611-ba59657eb361 |
| Potassium hydroxyoctaoxidizedichromate | | 234-329-8 | 11103-86-9 | Carcinogenic (Article 57a) | 19-Dec-2011 | 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/10162/162/fb533ed0-2765-4ad3-acf7-79d9ca8a5b02 | https://echa.europa.eu/documents/10162/82f1b187-86e9-a2c1-05ce-37037c0d42c8 |
| Phenolphthalein | | 201-004-7 | 77-09-8 | Carcinogenic (Article 57a) | 19-Dec-2011 | 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/10162/162/1f29b212-4a70-40c0-94de-8dfce7791aa9 | https://echa.europa.eu/documents/10162/e77f71f2-2587-e6a6-3e18-41c44ad031cf |
| Pentazinc chromate octahydroxide | | 256-418-0 | 49663-84-5 | Carcinogenic (Article 57a) | 19-Dec-2011 | https://echa.europa.eu/documents/10162/756bf74c-275b-4779-8d92-83fc3ac27318 | https://echa.europa.eu/documents/10162/3ace581-104b-4f80-8b0b-94728b9d501c | https://echa.europa.eu/documents/10162/162/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) | 19-Dec-2011 | https://echa.europa.eu/documents/10162/65231f68-fe7a-4712-9f3a-99a9dfb7dea | https://echa.europa.eu/documents/10162/f3d28fdc-113a-454a-9de2-e5fa2bb7786d | https://echa.europa.eu/documents/10162/162/42751bc8-cad5-4035-82ea-a91c0efe5768 | https://echa.europa.eu/documents/10162/2349dc58-0d76-f548-d77f-a2d40eab4bb3 |
| Lead stypnate | | 239-290-0 | 15245-44-0 | Toxic for reproduction (Article 57c) | 19-Dec-2011 | 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/10162/162/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) | 19-Dec-2011 | 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/10162/162/8a7c6915-0578-4c50-8fea-5208e237e0a7 | https://echa.europa.eu/documents/10162/047d6d28-1493-63ea-5c06-69f94dda35dd |

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| Lead diazide, Lead azide | 236-542-1 | 13424-46-9 | Toxic for reproduction (Article 57c) | 19-Dec-2011 | 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/10162/162/9890a34b-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) | 19-Dec-2011 | https://echa.europa.eu/documents/10162/f5ad72aa-57b0-456b-acca-080ea744a5d1 | https://echa.europa.eu/documents/10162/3cc2258-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) | 19-Dec-2011 | 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-0fd67774f53 | https://echa.europa.eu/documents/10162/2e3dc8f8-6055-183f-fc46-f86b85b089b6 |
| Calcium arsenate | 231-904-5 | 7778-44-1 | Carcinogenic (Article 57a) | 19-Dec-2011 | 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/cc629ba-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) | 19-Dec-2011 | 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 |
| Bis(2-methoxyethyl) ether | 203-924-4 | 111-96-6 | Toxic for reproduction (Article 57c) | 19-Dec-2011 | 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) | 19-Dec-2011 | 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 (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight | - | Carcinogenic (Article 57a) | 19-Dec-2011 | 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) | 19-Dec-2011 | 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 |

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|---|-----------|---------------------|---|-------------|---|---|---|---|
| 4-(1,1,3,3-tetramethylbutyl)phenol | 205-426-2 | 140-66-9 | Endocrine disrupting properties (Article 57(f) - environment) | 19-Dec-2011 | 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/10162/4c162/4c6cccf-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) | 19-Dec-2011 | 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) | 19-Dec-2011 | https://echa.europa.eu/documents/10162/0a89c9f01da4-406b-8285-9db907c6b66a | 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 | 107-06-2 | Carcinogenic (Article 57a) | 19-Dec-2011 | https://echa.europa.eu/documents/10162/55390ac11267-4141-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 | 7789-06-2 | Carcinogenic (Article 57a) | 20-Jun-2011 | 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-ccae-76179abd24f6 |
| Hydrazine | 206-114-9 | 302-01-2, 7803-57-8 | Carcinogenic (Article 57a) | 20-Jun-2011 | https://echa.europa.eu/documents/10162/c5b972a9f57f-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-b547-5cecc-dd34-0804bf35d93 |
| 2-ethoxyethyl acetate | 203-839-2 | 111-15-9 | Toxic for reproduction (Article 57c) | 20-Jun-2011 | https://echa.europa.eu/documents/10162/4b69d66fb3f9-4b3d-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-f0d4-2c859a736e8 |
| 1-Methyl-2-pyrrolidone (NMP) | 212-828-1 | 872-50-4 | Toxic for reproduction (Article 57c) | 20-Jun-2011 | https://echa.europa.eu/documents/10162/2d6cdfd7e924-45fa-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) | 20-Jun-2011 | https://echa.europa.eu/documents/10162/e0602e69f758-4eef-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) | 20-Jun-2011 | https://echa.europa.eu/documents/10162/1d278ff85bc6-4fa4-8b6a-6847121fcc9d | https://echa.europa.eu/documents/10162/23661523-674a-4366-bf5d-8597f09a5 | 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) | 20-Jun-2011 | https://echa.europa.eu/documents/10162/6b5d8cc7e37e-46e1-9d91-0f8d529ca833 | https://echa.europa.eu/documents/10162/5c763e23-3df9-4568-990f-df7d38977711 | https://echa.europa.eu/documents/10162/e8d4bcb8-81c1-4a59-a97d-d1cb30c29ec8 | https://echa.europa.eu/documents/10162/16196c31-ff09-f53e-9f78-aef429e56548 |
| Cobalt(II) sulphate | 233-334-2 | 10124-43-3 | Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c) | 15-Dec-2010 | https://echa.europa.eu/documents/10162/034150e5fa99-4659-a208-3492fed19012 | https://echa.europa.eu/documents/10162/6156179b-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 | 10141-05-6 | Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c) | 15-Dec-2010 | https://echa.europa.eu/documents/10162/93d2146d-6f41-43f1-9e4c-6c65ee52bfce | 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-2a198040538 |
| Cobalt(II) diacetate | 200-755-8 | 71-48-7 | Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c) | 15-Dec-2010 | 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/10162/6f68e76b3-751d-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) | 15-Dec-2010 | https://echa.europa.eu/documents/10162/75006cd41dc6-47de-bc84-dd92e07201a9 | https://echa.europa.eu/documents/10162/8724ec6d-5db0-4768-a9a9-43174499ced5 | 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) | 15-Dec-2010 | https://echa.europa.eu/documents/10162/6b11ec669d90-400a-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) | 15-Dec-2010 | https://echa.europa.eu/documents/10162/7ec3a9ebb9f6-4e82-9e7d-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) | 15-Dec-2010 | https://echa.europa.eu/documents/10162/7ec3a9ebb9f6-4e82-9e7d-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 |

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|--|---------------------------------------|----------------------------------|---|-------------|---|---|---|---|
| Oligomers of chromic acid and dichromic acid | - | - | Carcinogenic (Article 57a) | 15-Dec-2010 | 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 |
| Dichromic acid | 236-881-5 | 13530-68-2 | Carcinogenic (Article 57a) | 15-Dec-2010 | 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) | 15-Dec-2010 | 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) | 15-Dec-2010 | https://echa.europa.eu/documents/10162/f25b7ab7c339-4b4a-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 | 79-01-6 | Carcinogenic (Article 57a) | 18-Jun-2010 | 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) | 18-Jun-2010 | 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 | 7775-11-3 | Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c) | 18-Jun-2010 | https://echa.europa.eu/documents/10162/f7a917fb3073-4f18-93db-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) | 18-Jun-2010 | 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) | 18-Jun-2010 | https://echa.europa.eu/documents/10162/4116dc63d4ff-4465-b598-a81622c5f58b | https://echa.europa.eu/documents/10162/6ca9ac30-7102-4c5a-9eb8-bbcfc64c411 | https://echa.europa.eu/documents/10162/e6da86f5-0988-4fb2-9dcf-84087571c5af | 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) | 18-Jun-2010 | https://echa.europa.eu/documents/10162/4912ba63c1c1-4698-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 |
| Boric acid | EC No. 233-139-2 and EC No. 234-343-4 | - | Toxic for reproduction (Article 57c) | 18-Jun-2010 | https://echa.europa.eu/documents/10162/6877f24bc82b-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) | 18-Jun-2010 | https://echa.europa.eu/documents/10162/6877f24bc82b-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) | 18-Jun-2010 | https://echa.europa.eu/documents/10162/6877f24bc82b-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 | 7789-09-5 | Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c) | 18-Jun-2010 | https://echa.europa.eu/documents/10162/ff5cd363-1d18-4b42-a208-b0aa4034348e | https://echa.europa.eu/documents/10162/e3fb1a7c-4bd5-4540-9997-fc9f040ca12f | 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 | 79-06-1 | Carcinogenic (Article 57a)#Mutagenic (Article 57b) | 30-Mar-2010 | https://echa.europa.eu/documents/10162/b280cf2-f957-44d9-9584-0974444464b22 | 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 |

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|---|---|-----------|------------|---|-------------|---|---|---|---|---|
| Tris(2-chloroethyl) phosphate | - | 204-118-5 | 115-96-8 | Toxic for reproduction (Article 57c) | 13-Jan-2010 | 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) | 13-Jan-2010 | 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 sulphochromate yellow (C.I. Pigment Yellow 34) | - | 215-693-7 | 1344-37-2 | Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c) | 13-Jan-2010 | 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 | |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | - | 235-759-9 | 12656-85-8 | Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c) | 13-Jan-2010 | https://echa.europa.eu/documents/10162/9a10159e0846-488b-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) | 13-Jan-2010 | 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) | 13-Jan-2010 | 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-a1b9-84aeaa1aff00#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) | 13-Jan-2010 | 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 <math>0.005\%</math> (w/w) benzo[a]pyrene (EINECS No 200-028-5) and <math>0.1\%</math> w/w benzene (EINECS No 200-753-7). Does not meet the criteria for identification as a mutagen if it contains <math>0.1\%</math> 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) | 13-Jan-2010 | 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 <math>0.005\%</math> (w/w) benzo[a]pyrene (EINECS No 200-028-5) and <math>0.1\%</math> w/w benzene (EINECS No 200-753-7). Does not meet the criteria for identification as a mutagen if it contains <math>0.1\%</math> w/w benzene (EINECS No 200-753-7). |
| Anthracene oil, anthracene paste, anthracene fraction | - | 295-275-9 | 91995-15-2 | Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57d)#vPvB (Article 57e) | 13-Jan-2010 | 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 <math>0.005\%</math> (w/w) benzo[a]pyrene (EINECS No 200-028-5) and <math>0.1\%</math> w/w benzene (EINECS No 200-753-7). Does not meet the criteria for identification as a mutagen if it contains <math>0.1\%</math> 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) | 13-Jan-2010 | 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 <math>0.005\%</math> (w/w) benzo[a]pyrene (EINECS No 200-028-5) and <math>0.1\%</math> w/w benzene (EINECS No 200-753-7). Does not meet the criteria for identification as a mutagen if it contains <math>0.1\%</math> w/w benzene (EINECS No 200-753-7). |

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|-------------------------------------|---|-----------|-----------------------|---|-------------|---|---|---|---|---|--|
| Anthracene oil | - | 292-602-7 | 90640-80-5 | Carcinogenic (Article 57a)#PBT (Article 57d)#VpVb (Article 57e) | 13-Jan-2010 | 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 <math>0.005\%</math> (w/w) benzo[a]pyrene (EINECS No 200-028-5) | |
| 2,4-dinitrotoluene | | 204-450-0 | 121-14-2 | Carcinogenic (Article 57a) | 13-Jan-2010 | 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) | 28-Oct-2008 | 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 | https://echa.europa.eu/documents/10162/23a67aca-ee8c-be65-16b8-cf4b1ea48c67 | | |
| Sodium dichromate | | 234-190-3 | 10588-01-9, 7789-12-0 | Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c) | 28-Oct-2008 | 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) | 28-Oct-2008 | 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 | | |
| Hexabromocyclododecane (HBCDD) | and all major diastereoisomers identified | - | - | PBT (Article 57d) | 28-Oct-2008 | https://echa.europa.eu/documents/10162/471aceac4e5e-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/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/10162/825ab60213c0 | https://echa.europa.eu/documents/10162/7e12d56fead8 | |
| 1,2,5,6,9,10-hexabromocyclododecane | | 221-695-9 | 3194-55-6 | PBT (Article 57d) | 28-Oct-2008 | https://echa.europa.eu/documents/10162/471aceac4e5e-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/10162/825ab60213c0 | https://echa.europa.eu/documents/10162/7e12d56fead8 | | |
| Hexabromocyclododecane | | 247-148-4 | 25637-99-4 | PBT (Article 57d) | 28-Oct-2008 | https://echa.europa.eu/documents/10162/471aceac4e5e-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/10162/825ab60213c0 | https://echa.europa.eu/documents/10162/7e12d56fead8 | | |

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|-------------------------------|-----------|-------------|---|-------------|---|---|---|---|
| alpha-hexabromocyclododecane | - | 134237-50-6 | PBT (Article 57d) | 28-Oct-2008 | 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/10162/162/1fc837ef-f922-476e-8e00-825ab60213c0 | https://echa.europa.eu/documents/10162/e109c7be-6fd0-e12e-4c92-7e12d56fead8 |
| beta-hexabromocyclododecane | - | 134237-51-7 | PBT (Article 57d) | 28-Oct-2008 | 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/10162/162/1fc837ef-f922-476e-8e00-825ab60213c0 | https://echa.europa.eu/documents/10162/e109c7be-6fd0-e12e-4c92-7e12d56fead8 |
| gamma-hexabromocyclododecane | - | 134237-52-8 | PBT (Article 57d) | 28-Oct-2008 | 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/10162/162/1fc837ef-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) | 28-Oct-2008 | 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/10162/162/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 |
| Diarsenic trioxide | 215-481-4 | 1327-53-3 | Carcinogenic (Article 57a) | 28-Oct-2008 | 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/10162/162/8730b910-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) | 28-Oct-2008 | 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/10162/162/91206b72-787f-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) | 28-Oct-2008 | 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/10162/162/7d541979-6f03-421b-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) | 28-Oct-2008 | 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/10162/162/52f3fc94-c78f-436f-98ca-e0f845f37a9a | https://echa.europa.eu/documents/10162/6e66a086-935f-ab28-012c-262f5df9ef3b |

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|---|-----------|------------|---|-------------|---|---|---|---|
| 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) | 28-Oct-2008 | 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/10162/162/9e33725c-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) | 28-Oct-2008 | 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/10162/162/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 |
| Anthracene | 204-371-1 | 120-12-7 | PBT (Article 57d) | 28-Oct-2008 | 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/10162/162/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) | 28-Oct-2008 | 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/10162/162/2edcfedc-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) | 28-Oct-2008 | 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/10162/162/909dd42e-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) | 28-Oct-2008 | 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/10162/162/d36424e7-b12d-4dd8-832e-6d7e3e283fc3 | https://echa.europa.eu/documents/10162/f243739c-1e71-3e19-9fa0-f2f15f861d23 |