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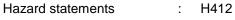


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SECTION 1: Identification of the substance/mixture and of the company/undertaking

| 1.1 | Product identifier | | |
|-----|---|------|---|
| | Product name | : | OKS 354 |
| 1.2 | Relevant identified uses of th | ie s | ubstance or mixture and uses advised against |
| | Use of the Sub- stance/Mixture | : | Lubricant |
| | Recommended restrictions on use | : | Restricted to professional users. |
| 1.3 | Details of the supplier of the | saf | ety data sheet |
| | Company | : | OKS Spezialschmierstoffe GmbH Ganghoferstr. 47 D-82216 Maisach-Gernlinden Tel.: +49 8142 3051 500 Fax.: +49 8142 3051 599 info@oks-germany.com |
| | E-mail address of person responsible for the SDS | : | mcm@oks-germany.com Material Compliance Management |
| | National contact | : | |
| 1.4 | Emergency telephone number | ər | |
| | Emergency telephone num- ber | | CIAV - Information Centre of Antipoison (+351) 800 250 250 (free 24/7 service) |
| SE | CTION 2: Hazards identific | atio | on |
| 2.1 | Classification of the substan | ce d | or mixture |
| | Classification (REGULATIO Long-term (chronic) aquatic ha egory 3 | • | |
| 2.2 | Label elements | | |
| | Labelling (REGULATION (EC | C) N | o 1272/2008) |
| | Hazard statements | - | H412 Harmful to aquatic life with long lasting ef- |



Harmful to aquatic life with long lasting effects.



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Precautionary statements : **Prevention:** P273

Avoid release to the environment.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : ester oil

Components

| Components | | | | |
|---|---|--|--|--------------------------|
| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | specific concen- tration limit M-Factor Notes Acute toxicity | Concentration (% w/w) |
| | - | | estimate | |
| tris(methylphenyl) phosphate | 1330-78-5 809-930-9 01-2119531335-46- XXXX | Repr.2; H361 Aquatic Acute1; H400 Aquatic Chronic1; H410 | M-Factor: 1/1 | >= 0,25 - < 1 |
| Substances with a work | place exposure limit : | | | |
| 2,2-bis[[(1- oxoisooctade- cyl)oxy]methyl]-1,3- propanediyl bis(isooctadecanoate) | 62125-22-8 263-423-1 01-2119971042-45- XXXX | Not classified | | >= 10 - < 20 |

For explanation of abbreviations see section 16.



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SECTION 4: First aid measures

4.1 Description of first aid measures

| If inhaled : | Obtain medical attention. Remove person to fresh air. If signs/symptoms continue, get medical attention. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. If breathing is irregular or stopped, administer artificial respira- tion. |
|---------------------------|--|
| In case of skin contact : | Take off all contaminated clothing immediately. Get medical attention immediately if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse. Wash off immediately with plenty of water. |
| In case of eye contact : | Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. If eye irritation persists, consult a specialist. |
| If swallowed : | Move the victim to fresh air. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. Do NOT induce vomiting. Obtain medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person. |

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : None known.

4.3 Indication of any immediate medical attention and special treatment needed Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



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| | nsuitable extinguishing edia | : | High volume water jet | |
| 5.2 Sp | ecial hazards arising from | m the | e substance or mixture | |
| Ha uc | azardous combustion prod sts | - : | Carbon oxides Nitrogen oxides (NOx) | |
| 5.3 Ad | vice for firefighters | | | |
| | pecial protective equipmen r firefighters | nt : | In the event of fire, wear self-contained b Use personal protective equipment. Expo tion products may be a hazard to health. | osure to decomposi- |
| Fu | urther information | : | Standard procedure for chemical fires. Collect contaminated fire extinguishing w must not be discharged into drains. | ater separately. This |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| Personal precautions | : | Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation. Do not breathe vapours or spray mist. Refer to protective measures listed in sections 7 and 8. |
|--|---|--|
| 6.2 Environmental precautions Environmental precautions | | Do not allow contact with soil, surface or ground water. |

Environmental precautions : Do not allow contact with soil, surface or ground water. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

:

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Do not use in areas without adequate ventilation. Do not breathe vapours or spray mist.



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| | | In case of insufficient ventilation, v equipment. Avoid contact with skin and eyes. For personal protection see section Smoking, eating and drinking short plication area. Wash hands and face before breat handling the product. Do not get in eyes or mouth or on Do not get on skin or clothing. Do not ingest. Do not repack. Do not re-use empty containers. These safety instructions also app may still contain product residues. Keep container closed when not in | on 8. uld be prohibited in the ap- iks and immediately after skin. |
| Hyg | jiene measures | : Wash face, hands and any expose handling. | ed skin thoroughly after |
| 7.2 Con | ditions for safe storag | e, including any incompatibilities | |
| | quirements for storage as and containers | : Store in original container. Keep or use. Keep in a dry, cool and well- which are opened must be careful to prevent leakage. Store in accornational regulations. Keep in prop | ventilated place. Containers Ily resealed and kept upright dance with the particular |
| - | cific end use(s) ecific use(s) | : Specific instructions for handling, | not required. |

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis | | |
|---|---|-------------------------------|--------------------|------------------------|--|--|
| 2,2-bis[[(1- oxoisooctade- cyl)oxy]methyl]- 1,3-propanediyl bis(isooctadecano ate) | 62125-22-8 | VLE-MP | 10 mg/m3 | PT OEL (2007-03-26) | | |
| | Further information: Substances that are not classified as carcinogenic for | | | | | |
| | humans. | | | | | |

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name | End Use | Exposure routes | Potential health ef- | Value |
|----------------|---------|-----------------|----------------------|-------|
| | | | fects | |



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|--|--|---------|--|-------------------------------|---------|--|
| | thiodiethylene bis[3- (3,5-di-tert-butyl-4- hydroxy- phenyl)propionate] | Workers | Inhalation | Long-term systemic effects | 3 mg/m3 | |
| | | Workers | Inhalation | Acute systemic ef- fects | 3 mg/m3 | |

| | Workers | Skin contact | Long-term systemic effects | 13,8 mg/kg |
|---------------------------------|---------|--------------|-------------------------------|----------------------|
| tris(methylphenyl) phosphate | Workers | Inhalation | Long-term systemic effects | 0,18 mg/m3 |
| | Workers | Skin contact | Long-term systemic effects | 0,41 mg/kg bw/day |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name | Environmental Compartment | Value |
|------------------------------------|---------------------------|-------------|
| thiodiethylene bis[3-(3,5-di-tert- | Sewage treatment plant | 1 mg/l |
| butyl-4- | | |
| hydroxyphenyl)propionate] | | |
| tris(methylphenyl) phosphate | Fresh water | 0,001 mg/l |
| | Marine water | 0,0001 mg/l |
| | Intermittent use/release | 100 mg/l |
| | Fresh water sediment | 2,05 mg/kg |
| | Marine sediment | 0,205 mg/kg |
| | Soil | 1,01 mg/kg |

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

| Eye protection | : | Safety glasses with side-shields |
|---|---|---|
| Hand protection Material Break through time Protective index | : | Nitrile rubber > 10 min Class 1 |
| Remarks | : | Wear protective gloves. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. The selected protective gloves have to satisfy the specifica- tions of Regulation (EU) 2016/425 and the standard EN 374 derived from it. |
| Skin and body protection | : | Choose body protection in relation to its type, to the concen- tration and amount of dangerous substances, and to the spe- cific work-place. |
| Respiratory protection | : | Use respiratory protection unless adequate local exhaust ven- tilation is provided or exposure assessment demonstrates that |



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| | | | exposures are within recommended exp Short term only | oosure guidelines. |
| Fil | ter type | : | Filter type A-P | |
| Prote | ctive measures | : | The type of protective equipment must to the concentration and amount of the a at the specific workplace. | |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Physical state | : | liquid |
|---|---|--|
| Colour | : | yellow |
| Odour | : | characteristic |
| Odour Threshold | : | No data available |
| | | |
| Melting point/range | : | No data available |
| Boiling point/boiling range | : | > 200 °C (1.013 hPa) |
| Flammability (solid, gas) | : | Not applicable |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Flash point | : | 268 °C Method: ISO 2592 |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| рН | : | Not applicable substance/mixture is non-polar/aprotic |
| Viscosity Viscosity, dynamic | : | No data available |
| Viscosity, kinematic | : | 4.100 mm2/s (40 °C) |



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| | bility(ies) /ater solubility | insoluble | |
| S | olubility in other solvents | No data available | |
| | ion coefficient: n- nol/water | No data available | |
| Vapo | our pressure | <= 1.100 hPa (20 °C) | |
| Relat | ive density | 0,92 (20 °C) Reference substance: W The value is calculated | ater |
| Dens | ity | 0,92 g/cm3 (20 °C) | |
| Bulk | density | No data available | |
| Relat | ive vapour density | No data available | |
| | information | | |
| Explo | osives | Not explosive | |
| Oxidi | zing properties | No data available | |
| Self-i | gnition | No data available | |
| Meta | l corrosion rate | Not corrosive to metals | |
| Evap | oration rate | No data available | |
| Subli | mation point | No data available | |

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : No conditions to be specially mentioned.



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10.5 Incompatible materials

Materials to avoid

: No materials to be especially mentioned.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

| P | roduct: |
|---|---------|
| - | 044011 |

| Acute oral toxicity | : | Remarks: This information is not available. |
|---------------------------|---|---|
| Acute inhalation toxicity | : | Remarks: Harmful by inhalation. |
| Acute dermal toxicity | : | Remarks: This information is not available. |

Components:

tris(methylphenyl) phosphate:

| Acute oral toxicity | : | LD50 (Rat): > 20.000 mg/kg |
|---------------------------|---|---|
| Acute inhalation toxicity | : | LC50 (Rat): 11,1 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala- tion toxicity |

Acute dermal toxicity : LD50 (Rabbit): > 10.000 mg/kg

2,2-bis[[(1-oxoisooctadecyl)oxy]methyl]-1,3-propanediyl bis(isooctadecanoate):

| Acute oral toxicity : | LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 401 GLP: yes |
|-----------------------------|---|
| Acute inhalation toxicity : | LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhala- tion toxicity |
| Acute dermal toxicity : | LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 402 GLP: yes Assessment: The substance or mixture has no acute dermal |



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|---|--|-------------|--|------------------------|
| | | | toxicity | |
| Skin | corrosion/irritation | | | |
| Prod | | | | |
| Rema | | : | This information is not available. | |
| Com | ponents: | | | |
| | nethylphenyl) phos | nhato. | | |
| Spec | | | Rabbit | |
| | ssment | | No skin irritation | |
| Resu | | : | No skin irritation | |
| 2,2-b | is[[(1-oxoisooctade | cyl)oxy | /]methyl]-1,3-propanediyl bis(isoc | octadecanoate): |
| Spec | ies | : | Rabbit | - |
| Expo | sure time | : | 4 h | |
| | ssment | : | No skin irritation | |
| Meth | | : | OECD Test Guideline 404 | |
| Resu GLP | lt | : | No skin irritation | |
| 02. | | • | yes | |
| | ous eye damage/eye | irritati | on | |
| Prod | uct: | | | |
| | | | | |
| Rema | | : | This information is not available. | |
| Rema | | : | This information is not available. | |
| Rema <u>Com</u> | arks | : ohate: | This information is not available. | |
| Rema <u>Com</u> | arks ponents: nethylphenyl) phosj | ohate: | This information is not available. Rabbit | |
| Rema <u>Com</u> tris(n Spec | arks ponents: nethylphenyl) phosj | : | Rabbit No eye irritation | |
| Rema <u>Com</u> tris(n Spec | arks ponents: nethylphenyl) phos _l ies ssment | : | Rabbit | |
| Rema Com tris(n Spec Asses Resu 2,2-b | arks ponents: nethylphenyl) phos ies ssment It is[[(1-oxoisooctade | : | Rabbit No eye irritation | octadecanoate): |
| Rema Com tris(n Spec Asse: Resu 2,2-b Spec | arks ponents: nethylphenyl) phos ies ssment It is[[(1-oxoisooctade ies | : | Rabbit No eye irritation No eye irritation /]methyl]-1,3-propanediyl bis(isoc Rabbit | octadecanoate): |
| Rema Com tris(n Spec Asse: Resu 2,2-b Spec Expo | arks ponents: nethylphenyl) phos ies ssment It is[[(1-oxoisooctade ies sure time | : | Rabbit No eye irritation No eye irritation /]methyl]-1,3-propanediyl bis(isoc Rabbit 72 h | octadecanoate): |
| Rema Com tris(n Spec Asses Resu 2,2-b Spec Expo Asses | arks ponents: nethylphenyl) phos ies ssment lt is[[(1-oxoisooctade ies sure time ssment | : | Rabbit No eye irritation No eye irritation /]methyl]-1,3-propanediyl bis(isoc Rabbit 72 h No eye irritation | octadecanoate): |
| Rema Com tris(n Spec Asses Resu 2,2-b Spec Expo Asses Method | arks ponents: nethylphenyl) phos ies ssment lt is[[(1-oxoisooctade ies sure time ssment od | : | Rabbit No eye irritation No eye irritation /]methyl]-1,3-propanediyl bis(isoc Rabbit 72 h No eye irritation OECD Test Guideline 405 | octadecanoate): |
| Rema Com tris(n Spec Asses Resu 2,2-b Spec Expo Asses Methor Resu | arks ponents: nethylphenyl) phos ies ssment lt is[[(1-oxoisooctade ies sure time ssment od | : | Rabbit No eye irritation No eye irritation /]methyl]-1,3-propanediyl bis(isoc Rabbit 72 h No eye irritation OECD Test Guideline 405 No eye irritation | octadecanoate): |
| Rema Com tris(n Spec Asses Resu 2,2-b Spec Expo Asses Method | arks ponents: nethylphenyl) phos ies ssment lt is[[(1-oxoisooctade ies sure time ssment od | : | Rabbit No eye irritation No eye irritation /]methyl]-1,3-propanediyl bis(isoc Rabbit 72 h No eye irritation OECD Test Guideline 405 | octadecanoate): |
| Rema Com tris(n Spec Asses Resu 2,2-b Spec Expo Asses Methor Resu GLP Resp | arks ponents: nethylphenyl) phos ies ssment lt is[[(1-oxoisooctade ies sure time ssment od lt iratory or skin sens | cyl)oxy | Rabbit No eye irritation No eye irritation /]methyl]-1,3-propanediyl bis(isoc Rabbit 72 h No eye irritation OECD Test Guideline 405 No eye irritation no | octadecanoate): |
| Rema Com tris(n Spec Asses Resu 2,2-b Spec Expo Asses Methor Resu GLP | arks ponents: nethylphenyl) phos ies ssment It is[[(1-oxoisooctade ies sure time ssment od It iratory or skin sens uct: | cyl)oxy | Rabbit No eye irritation No eye irritation /]methyl]-1,3-propanediyl bis(isoc Rabbit 72 h No eye irritation OECD Test Guideline 405 No eye irritation no | octadecanoate): |



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| | | | |

Components:

| Components: | |
|-----------------------------------|--|
| tris(methylphenyl) phosphate: | |
| Assessment : | Does not cause skin sensitisation. |
| Result : | Does not cause skin sensitisation. |
| 2,2-bis[[(1-oxoisooctadecyl)oxy | /]methyl]-1,3-propanediyl bis(isooctadecanoate): |
| Species : | Guinea pig |
| Assessment : | Did not cause sensitisation on laboratory animals. |
| Method : | OECD Test Guideline 406 |
| Result : | Did not cause sensitisation on laboratory animals. |
| Germ cell mutagenicity | |
| Product: | |
| Genotoxicity in vitro : | Remarks: No data available |
| Genotoxicity in vivo : | Remarks: No data available |
| Carcinogenicity | |
| Product: | |
| Remarks : | No data available |
| Reproductive toxicity | |
| | |
| Product: | |
| Effects on fertility : | Remarks: No data available |
| Effects on foetal develop- : ment | Remarks: No data available |
| ment | |
| Components: | |
| tris(methylphenyl) phosphate: | |
| Reproductive toxicity - As- : | - Fertility - |
| sessment | Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments. |
| STOT - single exposure | |
| Components: | |
| tris(methylphenyl) phosphate: | |
| Assessment : | The substance or mixture is not classified as specific target |



organ toxicant, single exposure.

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:

STOT - repeated exposure

Components:

tris(methylphenyl) phosphate:

Assessment

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks

: This information is not available.

Aspiration toxicity

Product:

This information is not available.

Components:

tris(methylphenyl) phosphate:

No aspiration toxicity classification

2,2-bis[[(1-oxoisooctadecyl)oxy]methyl]-1,3-propanediyl bis(isooctadecanoate):

No aspiration toxicity classification

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Product:

Remarks

: Risks of irreversible effects after a single exposure. Possible risk of irreversible effects.



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SECTION 12: Ecological information

12.1 Toxicity

| Product: Toxicity to fish : | Remarks: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
|--|--|
| Toxicity to daphnia and other : aquatic invertebrates | Remarks: No data available |
| Toxicity to algae/aquatic : plants | Remarks: No data available |
| Toxicity to microorganisms : | Remarks: No data available |
| Components: | |
| tris(methylphenyl) phosphate | |
| Toxicity to fish : | LC50 (Oncorhynchus mykiss (rainbow trout)): 0,6 mg/l Exposure time: 96 h Test Type: static test |
| Toxicity to daphnia and other : aquatic invertebrates | EC50 (Daphnia magna (Water flea)): 0,146 mg/l Exposure time: 48 h Test Type: static test |
| M-Factor (Acute aquatic tox- : icity) | 1 |
| Toxicity to fish (Chronic tox- : icity) | NOEC: 0,01 mg/l Exposure time: 28 d Species: Jordanella floridae (flagfish) Test Type: semi-static test |
| M-Factor (Chronic aquatic : toxicity) | 1 |
| 2,2-bis[[(1-oxoisooctadecyl)o | y]methyl]-1,3-propanediyl bis(isooctadecanoate): |
| | LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203 GLP: yes |
| Toxicity to daphnia and other : aquatic invertebrates | EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes |



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| Toxici plants | ty to algae/aquatic | : | EC50 (Pseudokirchneriella subcap 1.000 mg/l Exposure time: 72 h GLP: yes | itata (green algae)): ca. |
| | oxicology Assessmen ic aquatic toxicity | t : | This product has no known ecotoxi | icological effects. |
| 12.2 Persi | stence and degradabi | ility | | |
| <u>Produ</u> Biode | <u>uct:</u> gradability | : | Remarks: No data available | |
| Physic ity | co-chemical removabil- | : | Remarks: No data available | |
| Comp | oonents: | | | |
| - | lethylphenyl) phosph a gradability | ate: : | Result: Not rapidly biodegradable Biodegradation: 24 % Exposure time: 28 d | |
| | s[[(1-oxoisooctadecy l gradability | l)oxy : |]methyl]-1,3-propanediyl bis(isoo Result: Readily biodegradable. Biodegradation: 73,3 % Exposure time: 29 d GLP: yes | octadecanoate): |
| 12.3 Bioad | cumulative potential | | | |
| <u>Produ</u> Bioac | <u>uct:</u> cumulation | : | Remarks: This mixture contains no be persistent, bioaccumulating and This mixture contains no substance persistent and very bioaccumulatin | l toxic (PBT). e considered to be very |
| Comp | oonents: | | | |
| Partiti | nethylphenyl) phospha on coefficient: n- ol/water | ate: : | log Pow: 5,93 | |
| Partiti | s[[(1-oxoisooctadecy on coefficient: n- ol/water | l)oxy : |]methyl]-1,3-propanediyl bis(isoo log Pow: 24,13 | octadecanoate): |



according to Regulation (EC) No. 1907/2006 - PT (Commission Regulation (EU) 2020/878)



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| 1.3 | 06.07.2022 | Date of first issue: 29.06.2016 | 06.07.2022 |

12.4 Mobility in soil

| Product: | |
|--|------------------------------|
| Mobility | : Remarks: No data available |
| Distribution among environ- mental compartments | : Remarks: No data available |

12.5 Results of PBT and vPvB assessment

| Product: | |
|-------------|--|
| Assessment | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
| Components: | |

tris(methylphenyl) phosphate:

| Assessment |
|------------|
|------------|

: Non-classified PBT substance. Non-classified vPvB substance

12.6 Endocrine disrupting properties

Product:

| Assessment | : The substance/mixture does not contain components consid- ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
|------------|---|
| | U U |

12.7 Other adverse effects

Product:

```
Additional ecological infor- : Harmful to aquatic life with long lasting effects. mation
```

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product courses or Do not dis Dispose of

The product should not be allowed to enter drains, water courses or the soil. Do not dispose of with domestic refuse. Dispose of as hazardous waste in compliance with local and national regulations.

Waste codes should be assigned by the user based on the application for which the product was used.



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| Conta | aminated packaging | the unused p | aste product or used conta | · |
| | | The following | Waste Codes are only sug | ggestions: |
| Waste Code | | unused product 13 02 06*, synthetic engine, gear and lubricating oils | | bricating oils |
| | | uncleaned pa 15 01 10, pao by hazardous | kaging containing residue | s of or contaminated |

SECTION 14: Transport information

14.1 UN number or ID number

| ADR | : | Not regulated as a dangerous good |
|---------------------------------|---|-----------------------------------|
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| ΙΑΤΑ | : | Not regulated as a dangerous good |
| 14.2 UN proper shipping name | | |
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| ΙΑΤΑ | : | Not regulated as a dangerous good |
| 14.3 Transport hazard class(es) | | |
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| ΙΑΤΑ | : | Not regulated as a dangerous good |
| 14.4 Packing group | | |
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| IATA (Cargo) | : | Not regulated as a dangerous good |
| IATA (Passenger) | : | Not regulated as a dangerous good |
| 14.5 Environmental hazards | | |



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|--------------------|--------------------------------------|---|---------------------|
| ADR RID | | Not regulated as a dangerous goodNot regulated as a dangerous good | |
| IMDG | 6 | : Not regulated as a dangerous good | |
| | ial precautions for pplicable | user | |
| 14.7 Marit Rema | - | Ik according to IMO instruments : Not applicable for product as supplied. | |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix-ture

| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : Conditions of restriction for the fol- lowing entries should be considered: Number on list 3 |
|--|---|
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). (EU SVHC) | This product does not contain sub- stances of very high concern (Regu- lation (EC) No 1907/2006 (REACH), Article 57). |
| REACH - List of substances subject to authorisation (Annex XIV) (EU. REACH-Annex XIV) | : Not applicable |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer (EC 1005/2009) | : Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast) (EU POP) | : Not applicable |
| Regulation (EC) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals (EU PIC) | : Not applicable |
| Seveso III: Directive 2012/18/EU of the European : Parliament and of the Council on the control of major-accident hazards involving dangerous sub- stances. | Not applicable |
| 5 1 | J of 24 November 2010 on industrial pollution prevention and control) |



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15.2 Chemical safety assessment

This information is not available.

SECTION 16: Other information

Full text of H-Statements

| H361 H400 H410 | : | Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. |
|--------------------------------|---|--|
| Full text of other abbreviatio | | |

PT OEL : Portugal. Security and Health at the Workplace - Occupational exposure limits of chemical agents PT OEL / VLE-MP : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways: ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association: IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative



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|--|--|
|--|--|

Further information Classification of the mixture:

Classification procedure:

Aquatic Chronic 3 H412

Calculation method

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