SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006 - FR

OKS 477

Version 1.1 Revision Date: 26.03.2018 Date of last issue: 15.07.2016
Print Date: 26.03.2018

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

1.1 Product identifier
Product name: OKS 477

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the Substance/Mixture: Grease
Recommended restrictions on use: Restricted to professional users.

1.3 Details of the supplier of the safety data sheet
Company: OKS Spezialschmierstoffe GmbH
Ganghoferstr. 47
D-82216 Maisach-Gernlinden
Tel.: +49 8142 3051 500
Fax.: +49 8142 3051 599

E-mail address of person responsible for the SDS: mcm@oks-germany.com
National contact:

1.4 Emergency telephone number
Emergency telephone number: +33 1 45 42 59 59

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification (REGULATION (EC) No 1272/2008)
Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements
Labelling (REGULATION (EC) No 1272/2008)
Hazard statements: H412 Harmful to aquatic life with long lasting effects.
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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Synthetic hydrocarbon oil silicate

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Index-No.</th>
<th>Classification</th>
<th>Concentration limits</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>200-578-6</td>
<td></td>
<td>Flam. Liq.2; H225 Eye Irrit.2; H319</td>
<td>50 % Eye Irrit.2A,</td>
<td>&gt;= 1 - &lt; 10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>603-002-00-5</td>
<td>01-2119457610-43-XXXX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,6-di-tert-butyl-p-cresol</td>
<td>128-37-0</td>
<td>204-881-4</td>
<td></td>
<td>Aquatic Acute1; H400 Aquatic Chronic1; H410</td>
<td>M-Factor: 1/1</td>
<td>&gt;= 0,25 - &lt; 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>01-2119555270-46-XXXX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled : 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 respiration.
In case of skin contact: Remove contaminated clothing. If irritation develops, get medical attention. In case of contact, immediately flush skin with plenty of water. Wash clothing before reuse. Thoroughly clean shoes before reuse.

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 without medical advice. 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.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture
Specific hazards during firefighting: Fire may cause evolution of: Carbon oxides Metal oxides Nitrogen oxides (NOx)

5.3 Advice for firefighters
Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. Exposure to decomposition products may be a hazard to health.
FURTHER INFORMATION:
Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:
- Evacuate personnel to safe areas.
- Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
- Avoid breathing dust.
- 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. 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:
- Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.

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:
- Avoid contact with skin and eyes.
- For personal protection see section 8.
- Smoking, eating and drinking should be prohibited in the application area.
- Wash hands and face before breaks and immediately after handling the product.
- Do not ingest.
- Do not repack.
- These safety instructions also apply to empty packaging which may still contain product residues.
- Keep container closed when not in use.

Hygiene measures:
- Wash face, hands and any exposed skin thoroughly after handling.
### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:
- Store in original container. Keep container closed when not in use. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.

### 7.3 Specific end use(s)

Specific use(s):
- Consult the technical guidelines for the use of this substance/mixture.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>VME</td>
<td>1.000 ppm</td>
<td>FR VLE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.900 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td>Indicative exposure limits</td>
<td>VLCT (VLE)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5.000 ppm</td>
<td>FR VLE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9.500 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td>Indicative exposure limits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,6-di-tert-butyl-p-cresol</td>
<td>128-37-0</td>
<td>VME</td>
<td>10 mg/m³</td>
<td>FR VLE</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Substance name</th>
<th>End Use</th>
<th>Exposure routes</th>
<th>Potential health effects</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>Industrial use</td>
<td>Inhalation</td>
<td>Acute systemic effects</td>
<td>1900 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Long-term systemic effects</td>
<td>950 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Industrial use</td>
<td>Skin contact</td>
<td>Long-term systemic effects</td>
<td>343 mg/kg</td>
</tr>
<tr>
<td>2,6-di-tert-butyl-p-cresol</td>
<td>Workers</td>
<td>Inhalation</td>
<td>Long-term systemic effects</td>
<td>3,5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin contact</td>
<td>Long-term systemic effects</td>
<td>0,5 mg/kg</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Environmental Compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>Fresh water</td>
<td>0,96 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>0,79 mg/l</td>
</tr>
<tr>
<td></td>
<td>Intermittent use/release</td>
<td>2,75 mg/l</td>
</tr>
</tbody>
</table>
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Microbiological Activity in Sewage Treatment Systems

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh water sediment</td>
<td>3.6 mg/kg</td>
</tr>
<tr>
<td>Soil</td>
<td>0.63 mg/kg</td>
</tr>
<tr>
<td>2,6-di-tert-butyl-p-cresol Fresh water</td>
<td>0.199 µg/l</td>
</tr>
<tr>
<td>Marine water</td>
<td>0.02 µg/l</td>
</tr>
<tr>
<td>Intermittent use/release</td>
<td>1.99 µg/l</td>
</tr>
<tr>
<td>Microbiological Activity in Sewage Treatment Systems</td>
<td>0.17 mg/l</td>
</tr>
<tr>
<td>Fresh water sediment</td>
<td>0.0996 mg/kg</td>
</tr>
<tr>
<td>Marine sediment</td>
<td>0.00996 mg/kg</td>
</tr>
<tr>
<td>Soil</td>
<td>0.04769 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>8.33 mg/kg</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Engineering measures
Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection: Tightly fitting safety goggles

Hand protection
Material: Nitrile rubber
Protective index: Class 1
Remarks: For prolonged or repeated contact use protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. 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.

Respiratory protection: Not required; except in case of aerosol formation.

Filter type: Filter type P

Protective measures: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: paste
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>beige</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Combustible Solids</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>&lt; 0.001 hPa (20 °C)</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>0.91 g/cm³ (20 °C)</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>insoluble</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>
9.2 Other information

Sublimation point : No data available
Self-ignition : 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.

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 toxicological effects

Acute toxicity

Product:
Acute oral toxicity : Remarks: This information is not available.
Acute inhalation toxicity : Remarks: This information is not available.
Acute dermal toxicity : Remarks: This information is not available.

Components:
ethanol:
Acute oral toxicity : LD50 (Rat): 10.470 mg/kg
Method: OECD Test Guideline 401
Acute inhalation toxicity:  LC50 (Rat): 124.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

2,6-di-tert-butyl-p-cresol:
Acute oral toxicity:  LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity:  LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 402

Skin corrosion/irritation

Product:
Remarks: This information is not available.

Components:

ethanol:
Species: Rabbit  
Assessment: No skin irritation  
Method: OECD Test Guideline 404  
Result: No skin irritation

2,6-di-tert-butyl-p-cresol:
Species: Rabbit  
Assessment: No skin irritation  
Result: No skin irritation

Serious eye damage/eye irritation

Product:
Remarks: This information is not available.

Components:

ethanol:
Species: Rabbit  
Assessment: Irritating to eyes.  
Method: OECD Test Guideline 405  
Result: Irritating to eyes.

2,6-di-tert-butyl-p-cresol:
Species: Rabbit  
Assessment: No eye irritation  
Method: Draize Test  
Result: No eye irritation
Respiratory or skin sensitisation

**Product:**
Remarks: This information is not available.

**Components:**

**ethanol:**
Species: Mouse
Assessment: Does not cause skin sensitisation.
Method: OECD Test Guideline 429
Result: Does not cause skin sensitisation.

**2,6-di-tert-butyl-p-cresol:**
Species: Humans
Assessment: Does not cause skin sensitisation.
Result: Does not cause skin sensitisation.

Germ cell mutagenicity

**Product:**
Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

**Components:**

**ethanol:**
Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse
Result: negative

**2,6-di-tert-butyl-p-cresol:**
Genotoxicity in vitro : Test Type: Ames test
Result: negative
Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Result: negative

Germ cell mutagenicity- As- : Tests on bacterial or mammalian cell cultures did not show
Carcinogenicity

Product: No data available

Reproductive toxicity

Product: No data available

Components:

2,6-di-tert-butyl-p-cresol:
Reproductive toxicity - Assessment: No toxicity to reproduction

STOT - single exposure

Components:

ethanol:
Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

2,6-di-tert-butyl-p-cresol:
Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Components:

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

2,6-di-tert-butyl-p-cresol:
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product: No data available
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Remarks: This information is not available.

**Components:**

*ethanol:*
Species: Rat, female
NOAEL: 1.730 mg/kg
Application Route: Oral
Exposure time: 90 d
Method: OECD Test Guideline 408

**Aspiration toxicity**

**Product:**
This information is not available.

**Components:**

*ethanol:*
No aspiration toxicity classification

*2,6-di-tert-butyl-p-cresol:*
No aspiration toxicity classification

**Further information**

**Product:**
Remarks: Information given is based on data on the components and the toxicology of similar products.

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 : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available
Components:

ethanol:
Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 3.220 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 10.000 mg/l
Exposure time: 48 h

Toxicity to algae: EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC: 6.300 mg/l
Exposure time: 48 d
Species: Daphnia magna (Water flea)

2,6-di-tert-butyl-p-cresol:
Toxicity to fish: LC50 (Danio rerio (zebra fish)): 0.57 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 0.61 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae: EC50 (Desmodesmus subspicatus (green algae)): > 0.4 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity): 1

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC: 0.316 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity): 1

12.2 Persistence and degradability

Product:
Biodegradability: Remarks: No data available

Physico-chemical removability: Remarks: No data available

Components:

ethanol:
Biodegradability:
- Test Type: aerobic
- Result: Readily biodegradable.
- Kinetic:
  - 28 d: 97 %
- Method: OECD Test Guideline 301B

2,6-di-tert-butyl-p-cresol:
- Biodegradability:
  - Test Type: aerobic
  - Inoculum: activated sludge
  - Result: Not rapidly biodegradable
  - Biodegradation: 4.5 %
  - Exposure time: 28 d
  - Method: OECD Test Guideline 301C

12.3 Bioaccumulative potential

**Product:**
- Bioaccumulation: Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

**Components:**

ethanol:
- Bioaccumulation: Bioconcentration factor (BCF): 3.2
  - Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
- Partition coefficient: n-octanol/water: log Pow: -0.35 (20 °C)
  - Method: OECD Test Guideline 117

2,6-di-tert-butyl-p-cresol:
- Bioaccumulation: Bioconcentration factor (BCF): 598.4
- Partition coefficient: n-octanol/water: log Pow: 5.1

12.4 Mobility in soil

**Product:**
- Mobility: Remarks: No data available
- Distribution among environmental compartments: Remarks: No data available

12.5 Results of PBT and vPvB assessment
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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:

ethanol:
Assessment
This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

2,6-di-tert-butyl-p-cresol:
Assessment

12.6 Other adverse effects

Product:
Additional ecological information
Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
The product should not be allowed to enter drains, water courses or the soil.

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

Contaminated packaging
Empty containers can be landfilled, when in accordance with the local regulations.

SECTION 14: Transport information

14.1 UN number

ADR
Not regulated as a dangerous good

IMDG
Not regulated as a dangerous good

IATA
Not regulated as a dangerous good

14.2 UN proper shipping name

ADR
Not regulated as a dangerous good
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according to Regulation (EC) No. 1907/2006 - FR

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<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date:</th>
<th>Date of last issue:</th>
<th>15.07.2016</th>
<th>Print Date:</th>
<th>26.03.2018</th>
</tr>
</thead>
</table>

IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)
ADR : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.4 Packing group
ADR : 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
ADR : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA (Passenger) : Not regulated as a dangerous good
IATA (Cargo) : Not regulated as a dangerous good

14.6 Special precautions for user
No special precautions required.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Remarks : Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).
This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
Not applicable

Not applicable

Occupational Illnesses (R-461-3, France) : 36, 84, 44, 25

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 1,91%  
Remarks: VOC content excluding water

15.2 Chemical safety assessment  
This information is not available.

SECTION 16: Other information

Full text of H-statements
H225 : Highly flammable liquid and vapour.
H319 : Causes serious eye irritation.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006 - FR

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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; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information
Classification of the mixture: Aquatic Chronic 3
Classification procedure: H412 Calculation method

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