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

1.1 Product identifier
   Product name: Lub FOOD

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: NTN-SNR ROULEMENTS
   1, rue des Usines – BP 2017
   74000 ANNECY FRANCE
   Tél: +33 (0)4 50 65 30 00
   Fax: +33(0)4 50 65 32 91
   E-mail address of person responsible for the SDS: fds@ntn-snr.fr
   Laboratory Service NTN-SNR Roulements

1.4 Emergency telephone number
   Emergency Tel. (Office hours): +33 (0)1 45 65 97 55
   Emergency Tel. (France) ORFILA (INRS): +33 (0)1 45 42 59 59
   Emergency Tel. (EU): 112 (Available 24 hours a day)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification (REGULATION (EC) No 1272/2008)
   Long-term (chronic) aquatic hazard, 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 : Mineral oil, aluminium complex soap

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>White mineral oil (petroleum)</td>
<td>8042-47-5</td>
<td>232-455-8</td>
<td>01-2119487078-27-XXXX</td>
<td>Asp. Tox.1; H304</td>
<td></td>
<td>&gt;= 1 - &lt; 10</td>
</tr>
<tr>
<td>Amines, C12-14-alkyl, isoctyl phosphates</td>
<td>68187-67-7</td>
<td>269-119-5</td>
<td>01-2120286234-55-XXXX</td>
<td>Acute Tox.4; H302 Acute Tox.4; H312 Skin Corr.1C; H314 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic1; H410 M-Factor: 1/1</td>
<td></td>
<td>&gt;= 0,25 - &lt; 1</td>
</tr>
<tr>
<td>N-methyl-N-[C18-(unsaturated)alkanoyl]glycine</td>
<td>701-177-3</td>
<td>01-2119488991-20-XXXX</td>
<td></td>
<td>Acute Tox.4; H332 Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic3; H412 M-Factor: 1/</td>
<td></td>
<td>&gt;= 0,25 - &lt; 1</td>
</tr>
</tbody>
</table>
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.
Wash off with soap and 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

5.3 Advice for firefighters
   Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. 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). Do not breathe vapours, aerosols. 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):
- Specific instructions for handling, not required.

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>2,6-di-tert-butyl-p-cresol</td>
<td>128-37-0</td>
<td>VME</td>
<td>10 mg/m³</td>
<td>FR VLE (2005-02-01)</td>
</tr>
</tbody>
</table>

Further information: Indicative exposure limits

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>White mineral oil (petroleum)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>Long-term systemic effects</td>
<td>160 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td>Long-term systemic effects</td>
<td>220 mg/kg</td>
</tr>
<tr>
<td>White mineral oil (petroleum)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>Long-term systemic</td>
<td>160 mg/m³</td>
</tr>
</tbody>
</table>
## Exposure controls

### Engineering measures

none

### Personal protective equipment

**Eye protection**: Tightly fitting safety goggles

**Hand protection**

- **Material**: Nitrile rubber
- **Break through time**: > 10 min
- **Protective index**: Class 1

**Remarks**: For prolonged or repeated contact use 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 specifications of Regulation (EU) 2016/425 and the standard EN 374.
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>paste</td>
</tr>
<tr>
<td>Colour</td>
<td>yellow</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 / Upper flammability limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit / Lower flammability 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>0.90 g/cm³ (20 °C)</td>
</tr>
</tbody>
</table>
NTN-SNR LUB FOOD

Version 3.2  Revision Date: 31.03.2020

Bulk density: No data available

Solubility(ies)
  Water solubility: insoluble
  Solubility in other solvents: No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity
  Viscosity, dynamic: No data available
  Viscosity, kinematic: No data available

Explosive properties: Not explosive

Oxidizing properties: No data available

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:

White mineral oil (petroleum):
Acute oral toxicity $\text{LD50 (Rat): } > 5.000 \text{ mg/kg}$
Method: OECD Test Guideline 401
Acute inhalation toxicity $\text{LC50 (Rat): } > 5 \text{ mg/l}$
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity $\text{LD50 (Rabbit): } > 2.000 \text{ mg/kg}$
Method: OECD Test Guideline 402
GLP: yes
Assessment: The substance or mixture has no acute dermal toxicity

Amines, C12-14-alkyl, isoctyl phosphates:
Acute oral toxicity $\text{LD50 (Rat): } 1.000 \text{ mg/kg}$
Method: OECD Test Guideline 423
GLP: yes
Acute inhalation toxicity: Assessment: Corrosive to the respiratory tract.
Acute dermal toxicity $\text{LD50 (Rabbit): } 2.000 \text{ mg/kg}$
Method: OECD Test Guideline 402
GLP: yes

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:
Acute oral toxicity $\text{LD50 (Rat): } > 5.000 \text{ mg/kg}$
Method: OECD Test Guideline 401
Acute inhalation toxicity: LC50 (Rat, male): 1.05 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
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:
White mineral oil (petroleum):
Species: Rabbit
Assessment: No skin irritation
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes

Amines, C12-14-alkyl, isoctyl phosphates:
Species: Rabbit
Method: OECD Test Guideline 404
Result: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.
GLP: yes

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:
Species: Rabbit
Assessment: Irritating to skin.
Result: Irritating to skin.

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:

White mineral oil (petroleum):
Species: Rabbit
Assessment: No eye irritation
Method: OECD Test Guideline 405
Result: No eye irritation
GLP: yes

Amines, C12-14-alkyl, isoctyl phosphates:
Assessment: Risk of serious damage to eyes.
Result: Risk of serious damage to eyes.

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:
Species: Rabbit
Assessment: Risk of serious damage to eyes.
Result: Risk of serious damage 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:

White mineral oil (petroleum):
Test Type: Buehler Test
Species: Guinea pig
Assessment: Does not cause skin sensitisation.
Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.
GLP: yes

Amines, C12-14-alkyl, isoctyl phosphates:
Species: Guinea pig
Assessment: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406
Result: Did not cause sensitisation on laboratory animals.
GLP: yes
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:
Test Type: Maximisation Test
Species: Guinea pig
Assessment: Does not cause skin sensitisation.
Method: OECD Test Guideline 406
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:
White mineral oil (petroleum):
Germ cell mutagenicity- Assessment: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Amines, C12-14-alkyl, isooctyl phosphates:
Germ cell mutagenicity- Assessment: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

2,6-di-tert-butyl-p-cresol:
Genotoxicity in vitro:
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- Assessment: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

Product:
Remarks: No data available
Components:
White mineral oil (petroleum):
Carcinogenicity - Assessment: No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Product:
Effects on fertility: Remarks: No data available
Effects on foetal development: Remarks: No data available

Components:
White mineral oil (petroleum):
Reproductive toxicity - Assessment: No toxicity to reproduction
                No effects on or via lactation

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

STOT - single exposure

Components:
White mineral oil (petroleum):
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:
White mineral oil (petroleum):
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:**
Remarks : This information is not available.

Aspiration toxicity

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

**Components:**
White mineral oil (petroleum):
May be fatal if swallowed and enters airways.

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/aquatic plants : Remarks: No data available
Toxicity to microorganisms : Remarks: No data available

**Components:**
White mineral oil (petroleum):
Toxicity to fish : LC50 (Onchorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates: LC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants: NOEC (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to microorganisms: LC50 (Bacteria): > 1.000 mg/l
Exposure time: 40 h
Test Type: Growth inhibition

Toxicity to fish (Chronic toxicity): NOEC; > 100 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC; >= 1.000 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Amines, C12-14-alkyl, isooctyl phosphates:

Toxicity to fish: LC0 (Danio rerio (zebra fish)): 1 mg/l
Exposure time: 96 h
Test Type: static test
GLP: yes

Toxicity to daphnia and other aquatic invertebrates: EL50 (Daphnia magna (Water flea)): 17 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic plants: EL50 (Pseudokirchneriella subcapitata (green algae)): 0,8 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

M-Factor (Acute aquatic toxicity): 1
M-Factor (Chronic aquatic toxicity): 1

**N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:**

**Toxicity to fish:**
- LC50 (Danio rerio (zebra fish)): > 0.43 mg/l
  - Exposure time: 96 h
  - Test Type: flow-through test
  - Method: OECD Test Guideline 203
  - GLP: yes

**Toxicity to daphnia and other aquatic invertebrates:**
- EC50 (Daphnia magna (Water flea)): 0.43 mg/l
  - Exposure time: 48 h
  - Test Type: static test
  - Method: OECD Test Guideline 202
  - GLP: yes

**Toxicity to algae/aquatic plants:**
- EC50 (Desmodesmus subspicatus (green algae)): > 0.4 mg/l
  - Exposure time: 72 h
  - Test Type: static test

M-Factor (Acute aquatic toxicity): 1

**Ecotoxicology Assessment**

**Acute aquatic toxicity:** Very toxic to aquatic life.

**Chronic aquatic toxicity:** Harmful to aquatic life with long lasting effects.

**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/aquatic plants:**
- 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:**

White mineral oil (petroleum):

Biodegradability : Biodegradation: 31 %

Exposure time: 28 d

Amines, C12-14-alkyl, isoctyl phosphates:

Biodegradability : Result: Not rapidly biodegradable

Biodegradation: 35 %

Exposure time: 28 d


GLP: yes

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:

Biodegradability : Test Type: aerobic

Inoculum: activated sludge

Result: rapidly biodegradable

Biodegradation: 85.2 %

Exposure time: 28 d

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:**

White mineral oil (petroleum):
Partition coefficient: n-octanol/water : log Pow: > 6

Amines, C12-14-alkyl, isoctyl phosphates:
Partition coefficient: n-octanol/water : log Pow: 1.87
Method: OECD Test Guideline 117
GLP: yes

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:
Partition coefficient: n-octanol/water : log Pow: 3.5 - 4.2

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.
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:
White mineral oil (petroleum):
Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

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

12.6 Other adverse effects.
Product:
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product: 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.

Contaminated packaging: Packaging that is not properly emptied must be disposed of as the unused product.
Dispose of waste product or used containers according to local regulations.

The following Waste Codes are only suggestions:

Waste Code: used product, unused product
12 01 12*, spent waxes and fats
uncleaned packagings
15 01 10, packaging containing residues of or contaminated by hazardous substances

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
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
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 (Cargo) : Not regulated as a dangerous good
IATA (Passenger) : Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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).
REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable
Occupational Illnesses (R-461-3, France) : 36, 34, 49, 49 bis

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Not applicable

15.2 Chemical safety assessment
This information is not available.

SECTION 16: Other information

Full text of H-Statements
H302 : Harmful if swallowed.
H304 : May be fatal if swallowed and enters airways.
H312 : Harmful in contact with skin.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H332 : Harmful if inhaled.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

FR VLE : France, Occupational Exposure Limits (INRS)
FR VLE / VME : Time Weighted Average

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 Organisa-
ntion 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; 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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