

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## SEAMER OIL 150P

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 13.12.2023  | Print Date: |
| 1.1     | 16.05.2024     | Date of first issue: 13.12.2023 | 16.05.2024  |

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

### 1.1 Product identifier

Product name : SEAMER OIL 150P

Article-No. : 340325

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Lubricating oil

Recommended restrictions on use : Restricted to professional users.

### 1.3 Details of the supplier of the safety data sheet

Company : Klüber Lubrication NA LP  
9010 County Road 2120  
Tyler, Texas 75707  
USA  
Phone: +1 903 534 8021  
Fax: +1 903 581 4376

32 Industrial Drive  
Londonderry, NH 03053  
USA  
Phone: +1 603 647 4104  
Fax: +1 603 647 4106

E-mail address of person responsible for the SDS : mcm@us.kluber.com

National contact :

### 1.4 Emergency telephone number

Emergency telephone number : +49 89 7876 700 (24 hrs)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

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### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### Additional Labelling

EUH210 Safety data sheet available on request.

### 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 : Mineral oil.  
Synthetic hydrocarbon oil

#### Components

| Chemical name   | CAS-No.<br>EC-No.<br><br>Index-No.<br>Registration number | Classification                             | specific<br>concentration<br>limit<br>M-Factor<br>Notes<br>Acute toxicity<br>estimate | Concentration<br>(% w/w) |
|---|---|--|---|--------------------------|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 68411-46-1<br>270-128-1<br><br>01-2119491299-23-XXXX      | Repr.2; H361f<br>Aquatic Chronic3;<br>H412 |   | >= 0,25 - < 1            |
| Substances with a workplace exposure limit :                          |   |  |   |                          |
| White mineral oil (petroleum)   | 8042-47-5<br>232-455-8                                    | Not classified                             |   | >= 70 - < 90             |

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|--|-----------------------|--|--|--|
|  | 01-2119487078-27-XXXX |  |  |  |
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For explanation of abbreviations see section 16.

## 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 respiration.
- 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 symptoms known or expected.
- Risks : None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

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### 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

Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)

#### 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.

### 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 : Try to prevent the material from entering drains or water courses.  
Prevent further leakage or spillage if safe to do so.  
Local authorities should be advised if significant spillages cannot be contained.

#### 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).

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### 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 breathe vapours or spray mist.  
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 get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
Do not ingest.  
Do not repack.  
Do not re-use empty containers.  
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.

Storage class (TRGS 510) : 10, Combustible liquids

### 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

| Components        | CAS-No.   | Value type (Form of exposure) | Control parameters  | Basis      |
|-------------------|-----------|-------------------------------|---------------------|------------|
| White mineral oil | 8042-47-5 | MAKMAK value                  | 5 mg/m <sup>3</sup> | DE DFG MAK |

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| (petroleum) |  | (measured as the alveolate fraction)          |         | (2023-07-01)             |
|             | Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed                          |   |         |                          |
|             |  | AGWTime Weighted Average (Alveolate fraction) | 5 mg/m3 | DE TRGS 900 (2015-11-06) |
|             | Peak-limit: excursion factor (category): 4;(II)  |   |         |                          |
|             | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child |   |         |                          |

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

| Substance name  | End Use | Exposure routes | Potential health effects   | Value             |
|---|---------|-----------------|----------------------------|-------------------|
| White mineral oil (petroleum)   | Workers | Inhalation      | Long-term systemic effects | 164,56 mg/m3      |
|   | Workers | Skin contact    | Long-term systemic effects | 217,05 mg/kg      |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | Workers | Skin contact    | Long-term systemic effects | 0,44 mg/kg bw/day |
|   | Workers | Inhalation      | Long-term systemic effects | 0,31 mg/m3        |

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

| Substance name  | Environmental Compartment                            | Value       |
|---|--|-------------|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | Fresh water  | 0,034 mg/l  |
|   | Marine water   | 0,003 mg/l  |
|   | Microbiological Activity in Sewage Treatment Systems | 10 mg/l     |
|   | Fresh water sediment                                 | 0,446 mg/kg |
|   | Marine sediment                                      | 0,045 mg/kg |
|   | Soil   | 1,76 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/face protection : Safety glasses with side-shields

Hand protection

Material : Nitrile rubber

Break through time : > 10 min

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Protective index : 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 specifications 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 concentration and amount of dangerous substances, and to the specific work-place.

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

Filter type : Filter type A-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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                          |
|--|--------------------------|
| Physical state                                   | : liquid                 |
| Colour   | : yellow                 |
| Odour  | : hydrocarbon-like, mild |
| Odour Threshold                                  | : No data available      |
| Melting point/range                              | : No data available      |
| Boiling point/boiling range                      | : No data available      |
| Flammability (solid, gas)                        | : Not applicable         |
| Upper explosion limit / Upper flammability limit | : No data available      |
| Lower explosion limit / Lower flammability limit | : No data available      |

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|  |  |
|--|--|
| Flash point                            | : >= 185 °C<br>Method: open cup  |
| Auto-ignition temperature              | : No data available  |
| Decomposition temperature              | : No data available  |
| pH                                     | : Not applicable   |
| Viscosity                              |  |
| Viscosity, dynamic                     | : No data available  |
| Viscosity, kinematic                   | : 146 mm <sup>2</sup> /s (40 °C)   |
| Solubility(ies)                        |  |
| Water solubility                       | : insoluble  |
| Solubility in other solvents           | : No data available  |
| Partition coefficient: n-octanol/water | : No data available  |
| Vapour pressure                        | : < 0,001 hPa (20 °C)  |
| Relative density                       | : 0,865 (20 °C)<br>Reference substance: Water<br>The value is calculated |
| Density                                | : 0,87 g/cm <sup>3</sup><br>(20 °C)                                      |
| Bulk density                           | : No data available  |
| Relative vapour density                | : No data available  |

### 9.2 Other information

|                      |                     |
|----------------------|---------------------|
| Explosives           | : Not explosive     |
| Oxidizing properties | : No data available |
| Self-ignition        | : No data available |
| Evaporation rate     | : No data available |
| Sublimation point    | : No data available |



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### 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 hazard classes as defined in Regulation (EC) No 1272/2008

##### 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:

##### **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

##### **White mineral oil (petroleum):**

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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 inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

### Skin corrosion/irritation

#### Product:

Remarks : This information is not available.

#### Components:

##### **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:**

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

##### **White mineral oil (petroleum):**

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

### Serious eye damage/eye irritation

#### Product:

Remarks : This information is not available.

#### Components:

##### **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:**

Species : Rabbit  
Assessment : No eye irritation

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Method : OECD Test Guideline 405  
Result : No eye irritation

### White mineral oil (petroleum):

Species : Rabbit  
Assessment : No eye irritation  
Method : OECD Test Guideline 405  
Result : No eye irritation  
GLP : yes

### Respiratory or skin sensitisation

#### Product:

Remarks : This information is not available.

#### Components:

### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:

Species : Guinea pig  
Assessment : Did not cause sensitisation on laboratory animals.  
Method : OECD Test Guideline 406  
Result : Did not cause sensitisation on laboratory animals.

### White mineral oil (petroleum):

Test Type : Maximisation Test  
Species : Guinea pig  
Assessment : Does not cause skin sensitisation.  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitisation.  
GLP : yes

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

#### Components:

### White mineral oil (petroleum):

Genotoxicity in vitro : Test Type: Ames test  
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Result: negative  
GLP: yes

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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:

##### **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:**

Reproductive toxicity -  
Assessment : - Fertility -  
Some evidence of adverse effects on sexual function and  
fertility, based on animal experiments.

##### **White mineral oil (petroleum):**

Reproductive toxicity -  
Assessment : - Fertility -  
No toxicity to reproduction  
- Teratogenicity -  
No effects on or via lactation

### STOT - single exposure

#### Product:

Remarks : No data available

#### Components:

##### **White mineral oil (petroleum):**

Assessment : The substance or mixture is not classified as specific target

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organ toxicant, single exposure.

### STOT - repeated exposure

#### Product:

Remarks : No data available

#### Components:

##### White mineral oil (petroleum):

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.

#### Components:

##### White mineral oil (petroleum):

NOAEL : 1.800 mg/kg  
Exposure time : 90 d

### Aspiration toxicity

#### Product:

This information is not available.

#### Components:

##### White mineral oil (petroleum):

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.

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### 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: No data available

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:

##### **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 51 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

##### **White mineral oil (petroleum):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): > 100 mg/l

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|  |   |
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| aquatic invertebrates  | Exposure time: 48 h<br>Test Type: Immobilization<br>Method: OECD Test Guideline 202   |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | NOEC: $\geq 1.000$ mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea) |

### 12.2 Persistence and degradability

#### Product:

|                               |                              |
|-------------------------------|------------------------------|
| Biodegradability              | : Remarks: No data available |
| Physico-chemical removability | : Remarks: No data available |

#### Components:

##### **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:**

|                  |   |
|------------------|---|
| Biodegradability | : Test Type: aerobic<br>Inoculum: activated sludge<br>Result: Not rapidly biodegradable<br>Biodegradation: 1 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301B<br>GLP: yes |
|------------------|---|

##### **White mineral oil (petroleum):**

|                  |   |
|------------------|---|
| Biodegradability | : Test Type: Primary biodegradation<br>Inoculum: activated sludge<br>Result: Not rapidly biodegradable<br>Biodegradation: 31 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301B |
|------------------|---|

### 12.3 Bioaccumulative potential

#### Product:

|                 |  |
|-----------------|--|
| Bioaccumulation | : Remarks: Product does not contain substances which are persistent, bioaccumulative, and toxic (PBT) at levels of 0.1% or higher.<br>Product does not contain substances which are very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
|-----------------|--|

#### Components:

##### **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:**

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Partition coefficient: n-octanol/water : log Pow: 5,2 - 10,82

### White mineral oil (petroleum):

Partition coefficient: n-octanol/water : Pow: > 6

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

## 12.6 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.

## 12.7 Other adverse effects

### Product:

Additional ecological information : No information on ecology is available.



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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- Product : Waste codes should be assigned by the user based on the application for which the product was used.
- 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.
- 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 : unused product  
13 02 05\*\*, mineral-based non-chlorinated engine, gear and lubricating oils
- uncleaned packagings  
15 01 10\*, packaging containing residues of or contaminated by hazardous substances

### SECTION 14: Transport information

#### 14.1 UN number or ID number

- ADN : Not regulated as a dangerous good
- ADR : Not regulated as a dangerous good
- RID : 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

- ADN : Not regulated as a dangerous good
- ADR : Not regulated as a dangerous good
- RID : Not regulated as a dangerous good
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### 14.3 Transport hazard class(es)

|      |                                     |
|------|-------------------------------------|
| ADN  | : Not regulated as a dangerous good |
| ADR  | : Not regulated as a dangerous good |
| RID  | : Not regulated as a dangerous good |
| IMDG | : Not regulated as a dangerous good |
| IATA | : Not regulated as a dangerous good |

### 14.4 Packing group

|                  |                                     |
|------------------|-------------------------------------|
| ADN              | : Not regulated as a dangerous good |
| 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

|      |                                     |
|------|-------------------------------------|
| ADN  | : Not regulated as a dangerous good |
| ADR  | : Not regulated as a dangerous good |
| RID  | : Not regulated as a dangerous good |
| IMDG | : Not regulated as a dangerous good |

### 14.6 Special precautions for user

Not applicable

### 14.7 Maritime transport in bulk according to IMO instruments

|         |   |
|---------|---|
| 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 - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : Not applicable  |
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). (EU SVHC)  | : 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  | : Not applicable  |

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deplete the ozone layer  
(EC 1005/2009)

Regulation (EU) 2019/1021 on persistent organic  
pollutants (recast)  
(EU POP) : Not applicable

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

REACH - List of substances subject to authorisation  
(Annex XIV) : Not applicable  
(EU. REACH-Annex XIV)

Regulation (EU) 2019/1148 on the marketing and use of  
explosives precursors : 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  
substances. Not applicable

Water hazard class : WGK 1 slightly hazardous to water  
(Germany) Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : 5.2.1: Total dust:  
Not applicable  
5.2.2: Inorganic substances in powdered form:  
Not applicable  
5.2.4: Inorganic substances in gaseous form:  
Not applicable  
5.2.5: Organic Substances:  
Class 1: 1 %  
5.2.7.1.1: Carcinogenic substance:  
Not applicable  
5.2.7.1.1: Quartz fine dust PM4:  
Not applicable  
5.2.7.1.1: Formaldehyde:  
Not applicable  
5.2.7.1.1: fibres:  
Not applicable  
5.2.7.1.2: Germ cell mutagens:

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Not applicable

5.2.7.1.3: Substances toxic to reproduction:

Not applicable

5.2.7.2: Poorly degradable, easily enrichable and highly toxic organic substances:

Not applicable

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

H361f : Suspected of damaging fertility.  
H412 : Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

DE DFG MAK : Germany. MAK BAT Annex IIa  
DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.  
DE DFG MAK / MAK : MAK value  
DE TRGS 900 / AGW : 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

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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

### Further information

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