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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 06.02.2020 / 0013  
Replacing version dated / version: 09.10.2019 / 0012  
Valid from: 06.02.2020  
PDF print date: 02.06.2021  
WOOD LUBRICANT 10000 ML  
Art.: 9019729

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**Safety data sheet**  
**according to Regulation (EC) No 1907/2006, Annex II**

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

**1.1 Product identifier**

**WOOD LUBRICANT 10000 ML**

**Art.: 9019729**

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

**Relevant identified uses of the substance or mixture:**

Lubricants

Lubricant

Sector of use [SU]:

SU 0 - Other

SU 1 - Agriculture, forestry, fishery

SU19 - Building and construction work

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical product category [PC]:

PC24 - Lubricants, greases, release products

Process category [PROC]:

PROC 8b - Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC10 - Roller application or brushing

PROC11 - Non industrial spraying

**Uses advised against:**

No information available at present.

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

BTI Befestigungstechnik GmbH & Co. KG

Salzstr. 51

74653 Ingelfingen

Tel.: +49 7940 141 141

Fax: +49 7940 141 9141

Email: info@bti.de

Homepage: www.bti.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

**1.4 Emergency telephone number**

**Emergency information services / official advisory body:**

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**Telephone number of the company in case of emergencies:**

+49 (0) 700 / 24 112 112 (BRC)

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**SECTION 2: Hazards identification**

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## 2.1 Classification of the substance or mixture

### Classification according to Regulation (EC) 1272/2008 (CLP)

| Hazard class    | Hazard category | Hazard statement  |
|-----------------|-----------------|---|
| Asp. Tox.       | 1               | H304-May be fatal if swallowed and enters airways.      |
| Aquatic Chronic | 3               | H412-Harmful to aquatic life with long lasting effects. |

## 2.2 Label elements

### Labeling according to Regulation (EC) 1272/2008 (CLP)



Danger

H304-May be fatal if swallowed and enters airways. H412-Harmful to aquatic life with long lasting effects.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.  
 P301+P310-IF SWALLOWED: Immediately call a POISON CENTER / doctor. P331-Do NOT induce vomiting.  
 P405-Store locked up.  
 P501-Dispose of contents / container to an approved waste disposal facility.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

## 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

## SECTION 3: Composition/information on ingredients

Solvent

Additive

### 3.1 Substances

n.a.

### 3.2 Mixtures

|   |                       |
|---|-----------------------|
| <b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</b> |                       |
| <b>Registration number (REACH)</b>  | 01-2119458869-15-XXXX |
| <b>Index</b>  | ---                   |
| <b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>                                   | 925-653-7             |



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|   |  |
|---|--|
| <b>CAS</b>  | (64742-81-0)                                 |
| <b>content %</b>  | 50-70  |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b> | Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412 |

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.  
The substances named in this section are given with their actual, appropriate classification!  
For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First-aiders should ensure they are protected!  
Never pour anything into the mouth of an unconscious person!

#### Inhalation

Remove person from danger area.  
Supply person with fresh air and consult doctor according to symptoms.  
If the person is unconscious, place in a stable side position and consult a doctor.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eye contact

Remove contact lenses.  
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Ingestion

Rinse the mouth thoroughly with water.  
Do not induce vomiting. Consult doctor immediately.  
Danger of aspiration.  
In case of vomiting, keep head low so that the stomach content does not reach the lungs.

### 4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.  
In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

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

Gastric lavage (stomach washing) only under endotracheal intubation.  
Pulmonary oedema prophylaxis  
Subsequent observation for pneumonia and pulmonary oedema.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam  
CO<sub>2</sub>  
Extinction powder

Water jet spray

#### Unsuitable extinguishing media

High volume water jet

### 5.2 Special hazards arising from the substance or mixture



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In case of fire the following can develop:

Oxides of carbon

Toxic gases

Explosive vapour/air or gas/air mixtures.

### **5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping.

### **6.2 Environmental precautions**

Prevent from entering drainage system.

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

If accidental entry into drainage system occurs, inform responsible authorities.

### **6.3 Methods and material for containment and cleaning up**

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

### **6.4 Reference to other sections**

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

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## **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### **7.1 Precautions for safe handling**

#### **7.1.1 General recommendations**

Ensure good ventilation.

Avoid contact with eyes or skin.

Keep away from sources of ignition - Do not smoke.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

#### **7.1.2 Notes on general hygiene measures at the workplace**

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep out of access to unauthorised individuals.

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.



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Do not store with oxidizing agents.  
 Protect from direct sunlight and warming.  
 Store in a well ventilated place.  
 Store cool.

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40):  
 800 mg/m<sup>3</sup>

| Chemical Name                  | Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)   | Content %:50-70 |
|--------------------------------|--|-----------------|
| WEL-TWA: 800 mg/m <sup>3</sup> | WEL-STEL: ---  | ---             |
| Monitoring procedures:         | - Draeger - Hydrocarbons 0,1%/c (81 03 571)<br>- Draeger - Hydrocarbons 2/a (81 03 581)<br>- Compur - KITA-187 S (551 174) |                 |
| BMGV: ---                      | Other information: (OEL acc. to RCP-method, paragraphs 84-87, EH40)  |                 |

| Chemical Name   | Oil mist, mineral                    | Content %: |
|---|--------------------------------------|------------|
| WEL-TWA: 5 mg/m <sup>3</sup> (Mineral oil, excluding metal working fluids, ACGIH) | WEL-STEL: ---                        | ---        |
| Monitoring procedures:  | - Draeger - Oil Mist 1/a (67 33 031) |            |
| BMGV: ---   | Other information: ---               |            |

| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) |  |                             |            |       |                   |      |
|--|--|-----------------------------|------------|-------|-------------------|------|
| Area of application  | Exposure route / Environmental compartment | Effect on health            | Descriptor | Value | Unit              | Note |
| Workers / employees  | Human - dermal                             | Long term, systemic effects | DNEL       | 25    | mg/kg bw/d        |      |
| Workers / employees  | Human - inhalation                         | Long term, systemic effects | DNEL       | 150   | mg/m <sup>3</sup> |      |



WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value,



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Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14)

= The substance can cause sensitisation of the skin (Directive 2004/37/CE).

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Solvent resistant protective gloves (EN 374).

If applicable

Protective nitrile gloves (EN 374).

Minimum layer thickness in mm:

0,35

Permeation time (penetration time) in minutes:

>=480

Protective Neoprene® / polychloroprene gloves (EN 374).

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded.

Gas mask filter A (EN 14387), code colour brown

Observe wearing time limitations for respiratory protection equipment.



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Thermal hazards:  
Not applicable

Additional information on hand protection - No tests have been performed.  
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.  
Selection of materials derived from glove manufacturer's indications.  
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.  
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.  
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.  
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |   |
|--|---|
| Physical state:                          | Liquid  |
| Colour:                                  | Yellow  |
| Odour:                                   | Characteristic  |
| Odour threshold:                         | Not determined  |
| pH-value:                                | Not determined  |
| Melting point/freezing point:            | <-20 °C (Setting point )  |
| Initial boiling point and boiling range: | 180-220 °C (DIN 51751)  |
| Flash point:                             | 70 °C (DIN 51755 (Abel-Pensky, closed cup))   |
| Evaporation rate:                        | Not determined  |
| Flammability (solid, gas):               | Not determined  |
| Lower explosive limit:                   | 1,0 Vol-%   |
| Upper explosive limit:                   | 6,5 Vol-%   |
| Vapour pressure:                         | <10 hPa (20°C, DIN 51640)   |
| Vapour density (air = 1):                | Not determined  |
| Density:                                 | 0,848 g/cm <sup>3</sup> (20°C, DIN 51757)   |
| Bulk density:                            | Not determined  |
| Solubility(ies):                         | Not determined  |
| Water solubility:                        | Insoluble   |
| Partition coefficient (n-octanol/water): | Not determined  |
| Auto-ignition temperature:               | >250 °C (DIN 51794, Ignition temperature )  |
| Decomposition temperature:               | Not determined  |
| Viscosity:                               | <7 mm <sup>2</sup> /s (40°C)  |
| Explosive properties:                    | Possible build up of explosive/highly flammable vapour/air mixture. Product is not explosive. |
| Oxidising properties:                    | Not determined  |
| <b>9.2 Other information</b>             |   |
| Miscibility:                             | Not determined  |
| Fat solubility / solvent:                | Not determined  |



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|                   |                |
|-------------------|----------------|
| Conductivity:     | Not determined |
| Surface tension:  | Not determined |
| Solvents content: | Not determined |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

### 10.5 Incompatible materials

See also section 7.

Avoid contact with strong oxidizing agents.

### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

| WOOD LUBRICANT 10000 ML<br>Art.: 9019729                    |          |       |      |          |             |        |
|---|----------|-------|------|----------|-------------|--------|
| Toxicity / effect   | Endpoint | Value | Unit | Organism | Test method | Notes  |
| Acute toxicity, by oral route:                              |          |       |      |          |             | n.d.a. |
| Acute toxicity, by dermal route:                            |          |       |      |          |             | n.d.a. |
| Acute toxicity, by inhalation:                              |          |       |      |          |             | n.d.a. |
| Skin corrosion/irritation:                                  |          |       |      |          |             | n.d.a. |
| Serious eye damage/irritation:                              |          |       |      |          |             | n.d.a. |
| Respiratory or skin sensitisation:                          |          |       |      |          |             | n.d.a. |
| Germ cell mutagenicity:                                     |          |       |      |          |             | n.d.a. |
| Carcinogenicity:  |          |       |      |          |             | n.d.a. |
| Reproductive toxicity:                                      |          |       |      |          |             | n.d.a. |
| Specific target organ toxicity - single exposure (STOT-SE): |          |       |      |          |             | n.d.a. |





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|   |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| Specific target organ toxicity - repeated exposure (STOT-RE): |  |  |  |  |  | n.d.a.   |
| Aspiration hazard:  |  |  |  |  |  | n.d.a.   |
| Symptoms:   |  |  |  |  |  | n.d.a.   |
| Other information:  |  |  |  |  |  | Classification according to calculation procedure. |

| <b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</b> |                 |              |             |                 |   |   |
|---|-----------------|--------------|-------------|-----------------|---|---|
| <b>Toxicity / effect</b>  | <b>Endpoint</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b> | <b>Test method</b>  | <b>Notes</b>  |
| Acute toxicity, by oral route:  | LD50            | >5060        | mg/kg       | Rat             | OECD 401 (Acute Oral Toxicity)                                |   |
| Acute toxicity, by dermal route:  | LD50            | ~3400        | mg/kg       | Rabbit          | OECD 402 (Acute Dermal Toxicity)                              |   |
| Acute toxicity, by inhalation:  | LC50            | >13,1        | mg/l/4h     | Rat             | OECD 403 (Acute Inhalation Toxicity)                          | Vapours   |
| Skin corrosion/irritation:  |                 |              |             | Rabbit          | OECD 404 (Acute Dermal Irritation/Corrosion)                  | Repeated exposure may cause skin dryness or cracking. |
| Skin corrosion/irritation:  |                 |              |             | Rabbit          | OECD 404 (Acute Dermal Irritation/Corrosion)                  | Not irritant, Analogous conclusion                    |
| Serious eye damage/irritation:  |                 |              |             | Rabbit          | OECD 405 (Acute Eye Irritation/Corrosion)                     | Not irritant, Analogous conclusion                    |
| Respiratory or skin sensitisation:  |                 |              |             | Guinea pig      | OECD 406 (Skin Sensitisation)                                 | Not sensitising                                       |
| Germ cell mutagenicity:   |                 |              |             |                 | OECD 473 (In Vitro Mammalian Chromosome Aberration Test)      | Negative  |
| Carcinogenicity:  |                 |              |             |                 | OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)  | Negative  |
| Reproductive toxicity:  | NOAEC           | >=300        | ppm         | Rat             | OECD 421 (Reproduction/Developmental Toxicity Screening Test) | Negative  |
| Aspiration hazard:  |                 |              |             |                 |   | Yes   |



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|           |  |  |  |  |  |  |   |
|-----------|--|--|--|--|--|--|---|
| Symptoms: |  |  |  |  |  |  | drowsiness, unconsciousness, headaches, dizziness, drying of the skin., gastrointestinal disturbances, drowsiness, respiratory distress |
|-----------|--|--|--|--|--|--|---|

## SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

| WOOD LUBRICANT 10000 ML<br>Art.: 9019729 |          |      |       |      |          |             |   |
|--|----------|------|-------|------|----------|-------------|---|
| Toxicity / effect                        | Endpoint | Time | Value | Unit | Organism | Test method | Notes                                     |
| 12.1. Toxicity to fish:                  |          |      |       |      |          |             | n.d.a.                                    |
| 12.1. Toxicity to daphnia:               |          |      |       |      |          |             | n.d.a.                                    |
| 12.1. Toxicity to algae:                 |          |      |       |      |          |             | n.d.a.                                    |
| 12.2. Persistence and degradability:     |          |      |       |      |          |             | n.d.a.                                    |
| 12.3. Bioaccumulative potential:         |          |      |       |      |          |             | n.d.a.                                    |
| 12.4. Mobility in soil:                  |          |      |       |      |          |             | n.d.a.                                    |
| 12.5. Results of PBT and vPvB assessment |          |      |       |      |          |             | n.d.a.                                    |
| 12.6. Other adverse effects:             |          |      |       |      |          |             | n.d.a.                                    |
| Other information:                       |          |      |       |      |          |             | According to the recipe, contains no AOX. |

| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) |          |      |        |      |                     |                                      |       |
|--|----------|------|--------|------|---------------------|--------------------------------------|-------|
| Toxicity / effect  | Endpoint | Time | Value  | Unit | Organism            | Test method                          | Notes |
| 12.1. Toxicity to fish:  | LC50     | 96h  | 10-100 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) |       |



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|  |       |     |        |      |                                 |  |                                      |
|--|-------|-----|--------|------|---------------------------------|--|--------------------------------------|
| 12.1. Toxicity to daphnia:               | EC50  | 48h | 10-22  | mg/l | Daphnia magna                   | OECD 202 (Daphnia sp. Acute Immobilisation Test)                   |                                      |
| 12.1. Toxicity to daphnia:               | NOELR | 21d | 0,28   | mg/l | Daphnia magna                   | QSAR   | Analogous conclusion                 |
| 12.1. Toxicity to algae:                 | NOELR | 72h | 1      | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test)                            |                                      |
| 12.1. Toxicity to algae:                 | EC50  | 72h | 4,6-10 | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test)                            |                                      |
| 12.2. Persistence and degradability:     |       | 28d | 74,7   | %    |                                 | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Readily biodegradable                |
| 12.3. Bioaccumulative potential:         |       |     |        |      |                                 |  | To be expected                       |
| 12.5. Results of PBT and vPvB assessment |       |     |        |      |                                 |  | No PBT substance, No vPvB substance  |
| 12.6. Other adverse effects:             |       |     |        |      |                                 |  | Product floats on the water surface. |
| Water solubility:                        |       |     |        |      |                                 |  | Insoluble                            |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

07 06 04 other organic solvents, washing liquids and mother liquors

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.



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Implement substance recycling.

E.g. suitable incineration plant.

**For contaminated packing material**

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

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**SECTION 14: Transport information**

**General statements**

14.1. UN number: n.a.

**Transport by road/by rail (ADR/RID)**

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Classification code: n.a.

LQ: n.a.

14.5. Environmental hazards: Not applicable

Tunnel restriction code:

**Transport by sea (IMDG-code)**

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Marine Pollutant: n.a.

14.5. Environmental hazards: Not applicable

**Transport by air (IATA)**

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

14.5. Environmental hazards: Not applicable

**14.6. Special precautions for user**

Unless specified otherwise, general measures for safe transport must be followed.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Non-dangerous material according to Transport Regulations.

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**SECTION 15: Regulatory information**

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

Observe restrictions:

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC): 60 %

**15.2 Chemical safety assessment**

A chemical safety assessment is not provided for mixtures.

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## SECTION 16: Other information

Revised sections: 15  
These details refer to the product as it is delivered.  
Employee instruction/training in handling hazardous materials is required.

### Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

| Classification in accordance with regulation (EC) No. 1272/2008 (CLP) | Evaluation method used                             |
|---|--|
| Asp. Tox. 1, H304   | Classification according to calculation procedure. |
| Aquatic Chronic 3, H412   | Classification according to calculation procedure. |

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.

Asp. Tox. — Aspiration hazard  
Aquatic Chronic — Hazardous to the aquatic environment - chronic

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### Any abbreviations and acronyms used in this document:

acc., acc. to according, according to  
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)  
AOX Adsorbable organic halogen compounds  
approx. approximately  
Art., Art. no. Article number  
ASTM ASTM International (American Society for Testing and Materials)  
ATE Acute Toxicity Estimate  
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)  
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)  
BSEF The International Bromine Council  
bw body weight  
CAS Chemical Abstracts Service  
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
CMR carcinogenic, mutagenic, reproductive toxic  
DMEL Derived Minimum Effect Level  
DNEL Derived No Effect Level  
dw dry weight  
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance  
EC European Community  
ECHA European Chemicals Agency  
EEC European Economic Community



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|                   |   |
|-------------------|---|
| EINECS            | European Inventory of Existing Commercial Chemical Substances   |
| ELINCS            | European List of Notified Chemical Substances   |
| EN                | European Norms  |
| EPA               | United States Environmental Protection Agency (United States of America)  |
| etc.              | et cetera   |
| EU                | European Union  |
| EVAL              | Ethylene-vinyl alcohol copolymer  |
| Fax.              | Fax number  |
| gen.              | general   |
| GHS               | Globally Harmonized System of Classification and Labelling of Chemicals   |
| GWP               | Global warming potential  |
| IARC              | International Agency for Research on Cancer   |
| IATA              | International Air Transport Association   |
| IBC (Code)        | International Bulk Chemical (Code)  |
| IMDG-code         | International Maritime Code for Dangerous Goods   |
| incl.             | including, inclusive  |
| IUCLID            | International Uniform Chemical Information Database   |
| IUPAC             | International Union for Pure Applied Chemistry  |
| LC50              | Lethal Concentration to 50 % of a test population   |
| LD50              | Lethal Dose to 50% of a test population (Median Lethal Dose)  |
| LQ                | Limited Quantities  |
| MARPOL            | International Convention for the Prevention of Marine Pollution from Ships  |
| n.a.              | not applicable  |
| n.av.             | not available   |
| n.c.              | not checked   |
| n.d.a.            | no data available   |
| OECD              | Organisation for Economic Co-operation and Development  |
| org.              | organic   |
| PBT               | persistent, bioaccumulative and toxic   |
| PE                | Polyethylene  |
| PNEC              | Predicted No Effect Concentration   |
| ppm               | parts per million   |
| PVC               | Polyvinylchloride   |
| REACH             | Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)   |
| REACH-IT List-No. | 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. |
| RID               | Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)   |
| SVHC              | Substances of Very High Concern   |
| Tel.              | Telephone   |
| UN RTDG           | United Nations Recommendations on the Transport of Dangerous Goods  |
| VOC               | Volatile organic compounds  |
| vPvB              | very persistent and very bioaccumulative  |
| wwt               | wet weight  |

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.