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

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

#### **1.1 Product identifier**

# Vollsynthetisches Hypoid Getriebeoel (GL4/5) 75W-90 20 L Art.: 20956

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

Gear lubricant Sector of use [SU]:

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SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 - Consumer uses: Private households (=general public = consumers)

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

Chemical product category [PC]:

PC17 - Hydraulic fluids

PC24 - Lubricants, greases, release products

Process category [PROC]:

PROC 1 - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. PROC 2 - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions.

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

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

PROC 9 - Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC20 - Use of functional fluids in small devices

Article Categories [AC]:

AC99 - Not required.

Environmental Release Category [ERC]:

ERC 4 - Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

ERC 7 - Use of functional fluid at industrial site

ERC 9a - Widespread use of functional fluid (indoor)

ERC 9b - Widespread use of functional fluid (outdoor)

#### Uses advised against:

No information available at present.

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

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LIQUI MOLY GmbH, Jerg-Wieland-Str. 4, 89081 Ulm-Lehr, Germany Phone: (+49) 0731-1420-0, Fax: (+49) 0731-1420-88

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:

**Telephone number of the company in case of emergencies:** +49 (0) 700 / 24 112 112 (LMR)

**SECTION 2: Hazards identification** 

2.1 Classification of the substance or mixture



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

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

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

EUH208-Contains Polysulfides, di-tert-Bu, Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction. EUH210-Safety data sheet available on request.

#### 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 %).

Product can compose a film on the water surface, which can prevent oxygen exchange. Endangerment of potable water possible.

#### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substance

#### n.a. 3 2 Mixture

| 3.2 Wixture   |                         |
|---|-------------------------|
| 1-decene, trimers, hydrogenated                             |                         |
| Registration number (REACH)                                 | 01-2119493949-12-XXXX   |
| Index   |                         |
| EINECS, ELINCS, NLP   | 500-393-3 (NLP)         |
| CAS   | 157707-86-3             |
| content %   | 40-60                   |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Asp. Tox. 1, H304       |
|   |                         |
| 1-Decene, homopolymer, hydrogenated                         |                         |
| Registration number (REACH)                                 | 01-2119486452-34-XXXX   |
| Index   |                         |
| EINECS, ELINCS, NLP   | 500-183-1 (NLP)         |
| CAS   | 68037-01-4              |
| content %   | 40-60                   |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Asp. Tox. 1, H304       |
|   |                         |
| Baseoil - unspecified *                                     |                         |
| Registration number (REACH)                                 |                         |
| Index   |                         |
| EINECS, ELINCS, NLP   |                         |
| CAS   |                         |
| content %   | 1-6                     |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Asp. Tox. 1, H304       |
|   |                         |
| Polysulfides, di-tert-Bu                                    |                         |
| Registration number (REACH)                                 | 01-2119540515-43-XXXX   |
| Index   |                         |
| EINECS, ELINCS, NLP   | 273-103-3               |
| CAS   | 68937-96-2              |
| content %   | 1-5                     |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Skin Sens. 1, H317      |
|   | Aquatic Chronic 3, H412 |



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| Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid<br>with phosphorus oxide, propylene oxide and amines, C12-14-alkyl<br>(branched) | Substance with specific conc. limit(s) acc. to REACh-<br>registration |
|---|---|
| Registration number (REACH)   | 01-2119493620-38-XXXX   |
| Index   |   |
| EINECS, ELINCS, NLP   | 931-384-6 (REACH-IT List-No.)   |
| CAS   |   |
| content %   | 1-<2,5  |
| Classification according to Regulation (EC) 1272/2008 (CLP)   | Flam. Liq. 3, H226  |
|   | Acute Tox. 4, H302  |
|   | Skin Sens. 1, H317  |
|   | Eye Dam. 1, H318  |
|   | Aquatic Chronic 2, H411   |

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

\* The contained mineral oil can be described by one or more of the following numbers:

| EINECS, ELINCS, NLP | Registration number (REACH) | Chemical name   |
|---------------------|-----------------------------|---|
| 265-157-1           | 01-2119484627-25-XXXX       | Distillates (petroleum), hydrotreated heavy paraffinic    |
| 265-169-7           | 01-2119471299-27-XXXX       | Distillates (petroleum), solvent-dewaxed heavy paraffinic |
| 265-158-7           | 01-2119487077-29-XXXX       | Distillates (petroleum), hydrotreated light paraffinic    |
| 265-159-2           | 01-2119480132-48-XXXX       | Distillates (petroleum), solvent-dewaxed light paraffinic |

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

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Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

#### 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.

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. The following may occur: Irritation of the eyes Drying of the skin. Dermatitis (skin inflammation) Irritation of the skin. 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

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#### **SECTION 5: Firefighting measures**

5.1 Extinguishing media Suitable extinguishing media



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#### CO2

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Foam Dry extinguisher Water jet spray

#### Unsuitable extinguishing media

High volume water jet

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

In case of fire the following can develop: Oxides of carbon Oxides of nitrogen Oxides of sulphur Flammable vapour/air mixtures 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

#### SECTION 6: Accidental release measures

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

Ensure sufficient supply of air. Avoid contact with eyes or skin. If applicable, caution - risk of slipping.

#### 6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

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, sawdust) and dispose of according to Section 13. Oil binder

#### 6.4 Reference to other sections

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

#### **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

Avoid formation of oil mist.

Ensure good ventilation.

Do not heat to temperatures close to flash point.

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

Avoid long lasting or intensive contact with skin.

Do not carry cleaning cloths soaked in product in trouser pockets.

Observe directions on label and instructions for use.

#### 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

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.



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Protect against moisture and store closed. **7.3 Specific end use(s)** No information available at present.

#### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

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| Chemical Name            | Oil mist, mineral                                    | Content %: |
|--------------------------|--|------------|
| WEL-TWA: 5 mg/m3 (ACGIH) | WEL-STEL: 10 mg/m3 (ACGIH)                           |            |
| Monitoring procedures:   | <ul> <li>Draeger - Oil 10/a-P (67 28 371)</li> </ul> |            |
|                          | - Draeger - Oil Mist 1/a (67 33 031)                 |            |
| BMGV:                    | Other information:                                   |            |

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 (2017/164/EU). (9) = Respirable fraction (2017/164/EU). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(8) = Inhalable fraction (2017/164/EU). (9) = Respirable fraction (2017/164/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, 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.

#### 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. BS EN 14042.

BS 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: Chemical resistant protective gloves (EN 374). If applicable Protective nitrile gloves (EN 374) Permeation time (penetration time) in minutes: n.d.a. 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: If OES or MEL is exceeded. Filter A2 P2 (EN 14387), code colour brown, white



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Observe wearing time limitations for respiratory protection equipment.

Thermal hazards: Not applicable

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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.

#### **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:            | Not determined            |
| Initial boiling point and boiling range: | Not determined            |
| Flash point:                             | 210 °C                    |
| Evaporation rate:                        | Not determined            |
| Flammability (solid, gas):               | n.a.                      |
| Lower explosive limit:                   | Not determined            |
| Upper explosive limit:                   | Not determined            |
| Vapour pressure:                         | Not determined            |
| Vapour density (air = 1):                | Not determined            |
| Density:                                 | 0,87 g/ml                 |
| Bulk density:                            | n.a.                      |
| Solubility(ies):                         | Not determined            |
| Water solubility:                        | Insoluble                 |
| Partition coefficient (n-octanol/water): | Not determined            |
| Auto-ignition temperature:               | Not determined            |
| Decomposition temperature:               | Not determined            |
| Viscosity:                               | 106 mm2/s (40°C)          |
| Viscosity:                               | 15,6 mm2/s (100°C)        |
| Explosive properties:                    | Product is not explosive. |
| Oxidising properties:                    | No                        |
| 9.2 Other information                    |                           |
| Miscibility:                             | Not determined            |
| Fat solubility / solvent:                | Not determined            |
| Conductivity:                            | Not determined            |
| Surface tension:                         | Not determined            |
| Solvents content:                        | Not determined            |
|  |                           |

#### **SECTION 10: Stability and reactivity**



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#### 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).

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| Art.: 20956                      |          |       |       |          |             |                  |
|----------------------------------|----------|-------|-------|----------|-------------|------------------|
| Toxicity / effect                | Endpoint | Value | Unit  | Organism | Test method | Notes            |
| Acute toxicity, by oral route:   | ATE      | >2000 | mg/kg |          |             | calculated value |
| 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              |          |       |       |          |             | n.d.a.           |
| sensitisation:                   |          |       |       |          |             |                  |
| Germ cell mutagenicity:          |          |       |       |          |             | n.d.a.           |
| Carcinogenicity:                 |          |       |       |          |             | n.d.a.           |
| Reproductive toxicity:           |          |       |       |          |             | n.d.a.           |
| Specific target organ toxicity - |          |       |       |          |             | n.d.a.           |
| single exposure (STOT-SE):       |          |       |       |          |             |                  |
| Specific target organ toxicity - |          |       |       |          |             | n.d.a.           |
| repeated exposure (STOT-RE):     |          |       |       |          |             |                  |
| Aspiration hazard:               |          |       |       |          |             | n.d.a.           |
| Symptoms:                        |          |       |       |          |             | n.d.a.           |

#### 1-decene, trimers, hydrogenated

| Toxicity / effect                     | Endpoint | Value | Unit    | Organism   | Test method  | Notes             |
|---------------------------------------|----------|-------|---------|------------|--|-------------------|
| Acute toxicity, by oral route:        | LD50     | >5000 | mg/kg   | Rat        |  |                   |
| Acute toxicity, by oral route:        | LD50     | >5000 | mg/kg   | Rat        | OECD 401 (Acute Oral<br>Toxicity)                  |                   |
| Acute toxicity, by dermal route:      | LD50     | >2000 | mg/kg   | Rat        | OECD 402 (Acute<br>Dermal Toxicity)                |                   |
| Acute toxicity, by inhalation:        | LC50     | >5,2  | mg/l/4h | Rat        | OECD 403 (Acute<br>Inhalation Toxicity)            | Aerosol           |
| Skin corrosion/irritation:            |          |       |         | Rabbit     | OECD 404 (Acute<br>Dermal<br>Irritation/Corrosion) | Not irritant      |
| Serious eye damage/irritation:        |          |       |         | Rabbit     | OECD 405 (Acute Eye<br>Irritation/Corrosion)       | Not irritant      |
| Respiratory or skin<br>sensitisation: |          |       |         | Guinea pig | OECD 406 (Skin<br>Sensitisation)                   | Not sensitizising |

| Toxicity / effect                | Endpoint | Value | Unit    | Organism | Test method | Notes        |
|----------------------------------|----------|-------|---------|----------|-------------|--------------|
| Acute toxicity, by oral route:   | LD50     | >5000 | mg/kg   | Rat      |             |              |
| Acute toxicity, by dermal route: | LD50     | >2000 | mg/kg   | Rat      |             |              |
| Acute toxicity, by inhalation:   | LC50     | >5,2  | mg/l/4h | Rat      |             |              |
| Skin corrosion/irritation:       |          |       |         |          |             | Not irritant |
| Serious eye damage/irritation:   |          |       |         |          |             | Not irritant |
| Respiratory or skin              |          |       |         |          |             | Negative     |
| sensitisation:                   |          |       |         |          |             |              |



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|--|---|--|---|----------------|---|--|--|
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|  |   |  |   |                |   |  |  |
| Aspiration hazard:   |   |  |   |                |   |  | Asp. Tox. 1  |
| •  |   | 1  |   |                |   |  |  |
| Baseoil - unspecified  |   |  |   |                |   |  |  |
| Toxicity / effect  | Endpoint  | : Valu   | ue  | Unit           | Organism  | Test method  | Notes  |
| Respiratory or skin  |   |  |   |                |   |  | Not sensitizisin   |
| sensitisation:   |   |  |   |                |   |  |  |
| Aspiration hazard:   |   |  |   |                |   |  | Yes  |
| ·  |   | I  |   |                |   |  |  |
| Reaction products of bis   | (4-methylpentan-  | 2-yl)dithi   | ophosphor   | ic acid witl   | n phosphorus oxide  | e, propylene oxide and an  | nines, C12-14-   |
| alkyl (branched)   |   | • •  |   |                |   |  |  |
| Toxicity / effect  | Endpoint  | Valu   | ue  | Unit           | Organism  | Test method  | Notes  |
| Serious eye damage/irrita  | tion:   |  |   |                | Rabbit  |  | Eye Dam. 1   |
| Respiratory or skin  |   |  |   |                | Mouse   | OECD 429 (Skin   | Yes (skin  |
| sensitisation:   |   |  |   |                |   | Sensitisation - Local  | contact)   |
|  |   |  |   |                |   | Lymph Node Assay)  | ,  |
|  |   |  |   |                |   |  |  |
| Possibly more information  |   |  |   | 2.1 (classific | ation).   |  |  |
| Vollsynthetisches Hypoi  |   |  |   | 2.1 (classific | ation).   |  |  |
| Vollsynthetisches Hypoi<br>Art.: 20956   | d Getriebeoel (GL   | .4/5) 75W  | /-90 20 L   |                |   |  | 1  |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect  |   |  |   | 2.1 (classific | ation).   | Test method  | Notes  |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:   | d Getriebeoel (GL   | .4/5) 75W  | /-90 20 L   |                |   | Test method  | n.d.a.   |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:   | d Getriebeoel (GL   | .4/5) 75W  | /-90 20 L   |                |   | Test method  | n.d.a.<br>n.d.a.   |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:   | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.   |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and  | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.   |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:  | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.   |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative   | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.   |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:   | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.                               |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:  | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.                     |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT  | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.                               |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment   | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.           |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse  | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.                     |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment   | d Getriebeoel (GL   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.           |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to dapae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:  | d Getriebeoel (GL<br>Endpoint   | .4/5) 75W  | -90 20 L  |                |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.           |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro  | d Getriebeoel (GL<br>Endpoint   | .4/5) 75W<br>Time  | 7-90 20 L<br>Value  |                | Organism  |  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect   | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint                          | .4/5) 75W<br>Time  | Value   | Unit           |   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.           |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to dapae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect<br>12.1. Toxicity to fish:  | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint<br>LC50                  | <b>.4/5) 75W</b><br>Time<br><u>Time</u><br>96h             | Value Value Value Value Value Value Value Value Value   | Unit           | Organism Organism Organism Organism   | Test method  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to dapae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect<br>12.1. Toxicity to fish:  | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint                          | .4/5) 75W<br>Time  | Value   | Unit           | Organism Organism Organism Organism Organism Organism Oncorhynchus                      | Test method OECD 203 (Fish,  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to dapae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect<br>12.1. Toxicity to fish:  | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint<br>LC50                  | <b>.4/5) 75W</b><br>Time<br><u>Time</u><br>96h             | Value Value Value Value Value Value Value Value Value   | Unit           | Organism Organism Organism Organism   | Test method OECD 203 (Fish, Acute Toxicity   | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to fish:                               | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint<br>LC50<br>LC50          | <b>4/5) 75W</b><br>Time<br>96h<br>96h                      | Value Value Value Value Value Value Value >1000 >1000   | Unit           | Organism Organism Organism Organism Organism Organism Oncorhynchus mykiss               | Test method OECD 203 (Fish, Acute Toxicity Test)   | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to fish:                               | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint<br>LC50                  | <b>.4/5) 75W</b><br>Time<br><u>Time</u><br>96h             | Value Value Value Value Value Value Value Value Value   | Unit           | Organism Organism Organism Organism Organism Organism Oncorhynchus                      | Test method OECD 203 (Fish, Acute Toxicity Test) OECD 211  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to algae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to fish:                               | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint<br>LC50<br>LC50          | <b>4/5) 75W</b><br>Time<br>96h<br>96h                      | Value Value Value Value Value Value Value >1000 >1000   | Unit           | Organism Organism Organism Organism Organism Organism Oncorhynchus mykiss               | Test method OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna   | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to dapae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia: | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint<br>LC50<br>LC50<br>NOELR | <b>4/5) 75W</b><br><b>Time</b><br>96h<br>96h<br>96h<br>21d | Value | Unit           | Organism Organism Organism Organism Organism Organism Oncorhynchus mykiss Daphnia magna | Test method OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test)  | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to dapae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia: | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint<br>LC50<br>LC50          | <b>4/5) 75W</b><br>Time<br>96h<br>96h                      | Value Value Value Value Value Value Value >1000 >1000   | Unit           | Organism Organism Organism Organism Organism Organism Oncorhynchus mykiss               | Test method<br>OECD 203 (Fish,<br>Acute Toxicity<br>Test)<br>OECD 211<br>(Daphnia magna<br>Reproduction Test)<br>ia OECD 202                   | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to dapae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia: | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint<br>LC50<br>LC50<br>NOELR | <b>4/5) 75W</b><br><b>Time</b><br>96h<br>96h<br>96h<br>21d | Value | Unit           | Organism Organism Organism Organism Organism Organism Oncorhynchus mykiss Daphnia magna | Test method<br>OECD 203 (Fish,<br>Acute Toxicity<br>Test)<br>A OECD 211<br>(Daphnia magna<br>Reproduction Test)<br>ia OECD 202<br>(Daphnia sp. | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |
| Vollsynthetisches Hypoi<br>Art.: 20956<br>Toxicity / effect<br>12.1. Toxicity to fish:<br>12.1. Toxicity to daphnia:<br>12.1. Toxicity to dapae:<br>12.2. Persistence and<br>degradability:<br>12.3. Bioaccumulative<br>potential:<br>12.4. Mobility in soil:<br>12.5. Results of PBT<br>and vPvB assessment<br>12.6. Other adverse<br>effects:<br>1-decene, trimers, hydro<br>Toxicity / effect   | d Getriebeoel (GL<br>Endpoint<br>genated<br>Endpoint<br>LC50<br>LC50<br>NOELR | <b>4/5) 75W</b><br><b>Time</b><br>96h<br>96h<br>96h<br>21d | Value | Unit           | Organism Organism Organism Organism Organism Organism Oncorhynchus mykiss Daphnia magna | Test method<br>OECD 203 (Fish,<br>Acute Toxicity<br>Test)<br>OECD 211<br>(Daphnia magna<br>Reproduction Test)<br>ia OECD 202                   | n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a.<br>n.d.a. |

| 12.1. Toxicity to daphnia:                  | NOELR | 21d | 125   | mg/l | Daphnia magna                | OECD 211<br>(Daphnia magna<br>Reproduction Test)             |   |
|---|-------|-----|-------|------|------------------------------|--|---|
| 12.1. Toxicity to daphnia:                  | EC50  | 48h | >1000 | mg/l | Mysidopsis bahia             | OECD 202<br>(Daphnia sp.<br>Acute<br>Immobilisation<br>Test) |   |
| 12.1. Toxicity to daphnia:                  | EC50  | 48h | >1000 | mg/l |                              |  |   |
| 12.1. Toxicity to daphnia:                  | NOELR | 21d | 125   | mg/l |                              |  |   |
| 12.1. Toxicity to algae:                    | NOELR | 72h | 1000  | mg/l |                              |  |   |
| 12.1. Toxicity to algae:                    | NOELR | 72h | 1000  | mg/l | Selenastrum<br>capricornutum | OECD 201 (Alga,<br>Growth Inhibition<br>Test)                |   |
| 12.2. Persistence and degradability:        |       |     |       |      |                              |  | Not readily biodegradable                 |
| 12.3. Bioaccumulative potential:            | BCF   |     | >10   |      |                              |  |   |
| 12.5. Results of PBT<br>and vPvB assessment |       |     |       |      |                              |  | No PBT<br>substance, No<br>vPvB substance |



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œ)

 Toxicity to bacteria:
 EC50
 3h
 1000
 mg/l
 activated sludge

| 1-Decene, homopolymer      | , hydrogenated |      |       |      |                 |                     |                |
|----------------------------|----------------|------|-------|------|-----------------|---------------------|----------------|
| Toxicity / effect          | Endpoint       | Time | Value | Unit | Organism        | Test method         | Notes          |
| 12.3. Bioaccumulative      | Log Kow        |      | >6,5  |      |                 |                     | measured       |
| potential:                 |                |      |       |      |                 |                     |                |
| 12.2. Persistence and      |                | 28d  | 2     | %    |                 | OECD 301 D          |                |
| degradability:             |                |      |       |      |                 | (Ready              |                |
|                            |                |      |       |      |                 | Biodegradability -  |                |
|                            |                |      |       |      |                 | Closed Bottle Test) |                |
| 12.1. Toxicity to algae:   | LC50           | 72h  | >1000 | mg/l | Scenedesmus     |                     |                |
|                            |                |      |       |      | quadricauda     |                     |                |
| 12.1. Toxicity to daphnia: | EC50           | 48h  | >1000 | mg/l | Daphnia magna   |                     |                |
| 12.1. Toxicity to daphnia: | NOEC/NOEL      | 21d  | 125   | mg/l | Daphnia magna   |                     |                |
| 12.1. Toxicity to fish:    | LC50           | 96h  | >1000 | mg/l | Salmo gairdneri |                     |                |
| 12.1. Toxicity to fish:    | LC50           | 96h  | >750  | mg/l | Pimephales      |                     |                |
|                            |                |      |       |      | promelas        |                     |                |
| 12.1. Toxicity to algae:   | NOELR          | 72h  | >1000 | mg/l | Selenastrum     | OECD 201 (Alga,     |                |
|                            |                |      |       |      | capricornutum   | Growth Inhibition   |                |
|                            |                |      |       |      |                 | Test)               |                |
| 12.2. Persistence and      |                |      |       |      |                 |                     | Inherent       |
| degradability:             |                |      |       |      |                 |                     |                |
| 12.3. Bioaccumulative      |                |      |       |      |                 |                     | Not to be      |
| potential:                 |                |      |       |      |                 |                     | expected       |
| 12.5. Results of PBT       |                |      |       |      |                 |                     | No PBT         |
| and vPvB assessment        |                |      |       |      |                 |                     | substance, No  |
|                            |                |      |       |      |                 |                     | vPvB substance |

| Baseoil - unspecified<br>Toxicity / effect | Endpoint  | Time | Value  | Unit | Organism                   | Test method  | Notes                        |
|--|-----------|------|--------|------|----------------------------|--|------------------------------|
| 12.1. Toxicity to fish:                    | LC50      | 96h  | >100   | mg/l | Pimephales<br>promelas     |  |                              |
| 12.1. Toxicity to daphnia:                 | EC50      | 48h  | >10000 | mg/l | Daphnia magna              |  |                              |
| 12.1. Toxicity to daphnia:                 | NOEC/NOEL | 21d  | >10    | mg/l | Daphnia magna              |  |                              |
| 12.1. Toxicity to algae:                   | EC50      | 72h  | >100   | mg/l | Scenedesmus<br>quadricauda |  |                              |
| 12.2. Persistence and degradability:       |           | 28d  | 31     | %    |                            | OECD 301 B<br>(Ready<br>Biodegradability -<br>Co2 Evolution<br>Test) | Not readily<br>biodegradable |

| Toxicity / effect                    | Endpoint | Time | Value | Unit | Organism                            | Test method  | Notes |
|--------------------------------------|----------|------|-------|------|-------------------------------------|--|-------|
| 12.1. Toxicity to daphnia:           | EL50     | 48h  | 63    | mg/l | Daphnia magna                       | OECD 202<br>(Daphnia sp.<br>Acute<br>Immobilisation<br>Test)         |       |
| 12.1. Toxicity to algae:             | EL50     | 72h  | >100  | mg/l | Pseudokirchneriell<br>a subcapitata | OECD 201 (Alga,<br>Growth Inhibition<br>Test)                        |       |
| 12.2. Persistence and degradability: |          | 28d  | 13    | %    |                                     | OECD 301 B<br>(Ready<br>Biodegradability -<br>Co2 Evolution<br>Test) |       |

 Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)

 Toxicity / effect
 Endpoint
 Time
 Value
 Unit
 Organism
 Test method
 Notes



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| 12.1. Toxicity to fish:    | LC50      | 96h | 24   | mg/l | Oncorhynchus  | OECD 203 (Fish,    |
|----------------------------|-----------|-----|------|------|---------------|--------------------|
|                            |           |     |      |      | mykiss        | Acute Toxicity     |
|                            |           |     |      |      |               | Test)              |
| 12.1. Toxicity to daphnia: | EC50      | 48h | 91,4 | mg/l | Daphnia magna | OECD 202           |
|                            |           |     |      |      |               | (Daphnia sp.       |
|                            |           |     |      |      |               | Acute              |
|                            |           |     |      |      |               | Immobilisation     |
|                            |           |     |      |      |               | Test)              |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 0,12 | mg/l | Daphnia magna | OECD 211           |
|                            |           |     |      |      |               | (Daphnia magna     |
|                            |           |     |      |      |               | Reproduction Test) |
| 12.1. Toxicity to algae:   | EC50      | 96h | 6,4  | mg/l | Selenastrum   | OECD 201 (Alga,    |
|                            |           |     |      |      | capricornutum | Growth Inhibition  |
|                            |           |     |      |      |               | Test)              |
| 12.2. Persistence and      |           | 28d | 7,4  | %    |               | OECD 301 B         |
| degradability:             |           |     |      |      |               | (Ready             |
|                            |           |     |      |      |               | Biodegradability - |
|                            |           |     |      |      |               | Co2 Evolution      |
|                            |           |     |      |      |               | Test)              |

#### **SECTION 13: Disposal considerations**

#### **13.1 Waste treatment methods**

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

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. 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)

13 02 05 mineral-based non-chlorinated engine, gear and lubricating oils

Recommendation:

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Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. dispose at suitable refuse site.

E.g. suitable incineration plant.

#### For contaminated packing material

Pay attention to local and national official regulations. 15 01 01 paper and cardboard packaging 15 01 02 plastic packaging

15 01 04 metallic packaging

Empty container completely.

Uncontaminated packaging can be recycled.

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

#### **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.           |



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#### 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.

#### **SECTION 15: Regulatory information**

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

Observe restrictions: General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC):

#### **15.2 Chemical safety assessment**

A chemical safety assessment is not provided for mixtures.

#### **SECTION 16: Other information**

Revised sections:

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#### 3, 4, 8, 11, 12, 15

# Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP): Not applicable

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).

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Asp. Tox. — Aspiration hazard Skin Sens. — Skin sensitization Aquatic Chronic — Hazardous to the aquatic environment - chronic Flam. Liq. — Flammable liquid Acute Tox. — Acute toxicity - oral Eye Dam. — Serious eye damage

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

 AC
 Article Categories

 acc., acc. to
 according, according to

 ACGIH
 American Conference of Governmental Industrial Hygienists

 ADR
 Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

 AOEL
 Acceptable Operator Exposure Level

5%



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