

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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## JB GERMAN OIL Hypoid Getriebeöl GL 5 SAE 75W-90 HAF-SX

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

#### 1.1. Product identifier

Trade name/designation:

JB GERMAN OIL Hypoid Getriebeöl GL 5 SAE 75W-90 HAF-SX

Article No.:

j2127

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

Use of the substance/mixture:

Lubricant

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

JB German Oil GmbH & Co.KG.

Wölzower Weg 13 - 19

19243 Wittenburg

Germany

Telephone: +49 (0) 38852 90620

Telefax: +49 (0) 38852 906220

E-mail: Vertrieb@jb-germanoil.de

Website: www.jb-germanoil.de

E-mail (competent person): vertrieb@jb-germanoil.de

#### 1.4. Emergency telephone number

Abt. Produktsicherheit, 24h: +49 700 24 112 112 (Company ID: LUB) (outside USA/Canada), 011 49 700 24 112 112 (Company ID: LUB) (inside USA/Canada), +49 (0) 38852 90620 (Only available during office hours.)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard components for labelling:

Amines, C10-14-tert-alkyl; C16-18-(even numbered, saturated and unsaturated)-alkylamines; Dec-1-ene, Trimere, hydrated

##### Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

##### Supplemental hazard information

EUH208 Contains Amines, C10-14-tert-alkyl. May produce an allergic reaction.

##### Precautionary statements Prevention

P273 Avoid release to the environment.

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### Precautionary statements Disposal

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

### 2.3. Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 157707-86-3 EC No.: 500-393-3	<b>Dec-1-ene, Trimere, hydrated</b> Asp. Tox. 1 <b>Danger</b> H304	32 - ≤ 53.65 weight-%
CAS No.: 1213789-63-9 EC No.: 627-034-4 REACH No.: 01-2119473797-19	<b>C16-18-(even numbered, saturated and unsaturated)-alkylamines</b> Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1, Asp. Tox. 1, Eye Dam. 1, STOT RE 2, STOT SE 3, Skin Corr. 1B <b>Danger</b> H302-H304-H314-H318-H335-H373-H400-H410 M-factor (acute): 10 M-factor (chronic): 10	0 - < 0.18 weight-%
EC No.: 701-175-2 REACH No.: 01-2119456798-18	<b>Amines, C10-14-tert-alkyl</b> Acute Tox. 2, Acute Tox. 3, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1, Eye Dam. 1, Skin Corr. 1B, Skin Sens. 1A H302-H311-H314-H317-H318-H330-H400-H410 M-factor (acute): 1 M-factor (chronic): 1	0 - < 0.18 weight-%

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

#### Following inhalation:

Provide fresh air. Consult a doctor immediately.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor immediately.

#### After eye contact:

In case of eye irritation consult an ophthalmologist.

#### Following ingestion:

Rinse mouth thoroughly with water. Do NOT induce vomiting. Consult a doctor immediately. Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

#### Self-protection of the first aider:

First aider: Pay attention to self-protection!

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

No data available

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

Treat symptomatically. Observe risk of aspiration if vomiting occurs.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Use water spray jet to protect personnel and to cool endangered containers. Water spray jet alcohol resistant foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media:**

Full water jet

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

During heating or in case of fire, toxic gases is possible.

The formation of combustible vapours is possible at temperatures above: Flash point Combustible

**Hazardous combustion products:**

Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>),

During heating or in case of fire, toxic gases is possible. In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing. Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4. Additional information

Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Use personal protection equipment. Special danger of slipping by leaking/spilling product. Remove persons to safety.

**Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

**Emergency procedures:**

Remove persons to safety.

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Use personal protection equipment. Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

**For containment:**

Suitable material for taking up: Sand, Kieselguhr, Universal binder, Chemical binding agents, containing acids Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up:**

Remove from the water surface (e.g. skimming, sucking). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**Other information:**

Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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### 6.5. Additional information

Clear spills immediately. Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Personal protection equipment: see section 8 When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Clear spills immediately. Use appropriate container to avoid environmental contamination. Wear personal protection equipment (refer to section 8).

##### Fire prevent measures:

No special fire protection measures are necessary. Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

##### Environmental precautions:

See section 8.

#### Advices on general occupational hygiene

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels:

Suitable container/equipment material: Floors should be impervious, resistant to liquids and easy to clean. Shafts and sewers must be protected from entry of the product.

Keep/Store only in original container.

#### Hints on storage assembly:

not required

**Storage class:** 10 - Combustible liquids that cannot be assigned to any of the above storage classes

#### Further information on storage conditions:

Store in a cool dry place. Keep away from heat.

### 7.3. Specific end use(s)

#### Recommendation:

Observe technical data sheet.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	Distillates (petroleum), hydro treated light CAS No.: 64742-47-8 EC No.: 265-149-8	① 300 mg/m <sup>3</sup> ② 600 mg/m <sup>3</sup> ⑤ (C9-C14 Aliphaten)
DFG (DE)	Distillates (petroleum), hydro treated light CAS No.: 64742-47-8 EC No.: 265-149-8	① 5 mg/m <sup>3</sup> ② 20 mg/m <sup>3</sup> ⑤ (Aerosol, alveolengängige Fraktion)
DFG (DE)	Distillates (petroleum), hydro treated light CAS No.: 64742-47-8 EC No.: 265-149-8	① 50 ppm (350 mg/m <sup>3</sup> ) ② 100 ppm (700 mg/m <sup>3</sup> ) ⑤ (Dampf)
TRGS 900 (DE)	Hydrocarbons, TRGS 900	① 0 mg/m <sup>3</sup> ⑤ Mass fraction (wt %): 0

##### 8.1.2. Biological limit values

No data available

##### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6 EC No.: 293-927-7	4.408 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6 EC No.: 293-927-7	6.25 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
C16-18-(even numbered, saturated and unsaturated)-alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	0.38 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
C16-18-(even numbered, saturated and unsaturated)-alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	1 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
C16-18-(even numbered, saturated and unsaturated)-alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	1 mg/cm <sup>2</sup>	① DNEL worker ② Acute - inhalation, local effects
Amines, C10-14-tert-alkyl EC No.: 701-175-2	2.5 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
Amines, C10-14-tert-alkyl EC No.: 701-175-2	12.1 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
Amines, C10-14-tert-alkyl EC No.: 701-175-2	1.2 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, local effects

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Substance name	PNEC Value	① PNEC type
Phosphoric acid, mono- and bis(branched and linear pentyl) esters CAS No.: 84418-71-3 EC No.: 282-784-6	56 µg/l	① PNEC aquatic, freshwater
Phosphoric acid, mono- and bis(branched and linear pentyl) esters CAS No.: 84418-71-3 EC No.: 282-784-6	5.6 µg/l	① PNEC aquatic, marine water
Phosphoric acid, mono- and bis(branched and linear pentyl) esters CAS No.: 84418-71-3 EC No.: 282-784-6	100 mg/l	① PNEC sewage treatment plant
Phosphoric acid, mono- and bis(branched and linear pentyl) esters CAS No.: 84418-71-3 EC No.: 282-784-6	2.03 mg/kg bw/day	① PNEC sediment, freshwater
Phosphoric acid, mono- and bis(branched and linear pentyl) esters CAS No.: 84418-71-3 EC No.: 282-784-6	0.203 mg/kg bw/day	① PNEC sediment, marine water
Phosphoric acid, mono- and bis(branched and linear pentyl) esters CAS No.: 84418-71-3 EC No.: 282-784-6	560 µg/l	① PNEC aquatic, intermittent release
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6 EC No.: 293-927-7	41 µg/l	① PNEC aquatic, freshwater
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6 EC No.: 293-927-7	4.1 µg/l	① PNEC aquatic, marine water
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6 EC No.: 293-927-7	8,000 mg/l	① PNEC sewage treatment plant
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6 EC No.: 293-927-7	380.62 mg/ kg bw/day	① PNEC sediment, freshwater
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6 EC No.: 293-927-7	38.06 mg/kg bw/day	① PNEC sediment, marine water
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6 EC No.: 293-927-7	6.67 mg/kg bw/day	① PNEC secondary poisoning
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6 EC No.: 293-927-7	410 µg/l	① PNEC aquatic, intermittent release
C16-18-(even numbered, saturated and unsaturated)-alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	0.26 µg/l	① PNEC aquatic, freshwater
C16-18-(even numbered, saturated and unsaturated)-alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	0.026 µg/l	① PNEC aquatic, marine water

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Substance name	PNEC Value	① PNEC type
C16-18-(even numbered, saturated and unsaturated)-alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	3.76 mg/kg	① PNEC sediment, freshwater
C16-18-(even numbered, saturated and unsaturated)-alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	0.376 mg/kg	① PNEC sediment, marine water
C16-18-(even numbered, saturated and unsaturated)-alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	10 mg/kg	① PNEC soil
Distillates (petroleum), hydrotreated middle; Gas oil - unspecified CAS No.: 64742-46-7 EC No.: 265-148-2	17 mg/kg	① PNEC secondary poisoning

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary.

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

During transfer: Eye glasses with side protection

Wear eye/face protection. DIN EN 166

##### Skin protection:

Hand protection

Suitable material: NBR (Nitrile rubber), PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber)

Thickness of the glove material:  $\geq 0,4$  mm

Breakthrough time: 480 min

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Tested protective gloves must be worn: EN ISO 374

Suitable protective clothing: Protective clothing In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

##### Respiratory protection:

Usually no personal respirative protection necessary. Filtering device with filter or ventilator filtering device of type: A

#### 8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

### 8.3. Additional information

Mineral oil mist limits:

OSHA PEL - value  $5 \text{ mg} / \text{m}^3$ , ACGIH STEL - value of  $10 \text{ mg} / \text{m}^3$

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Liquid

**Colour:** light yellow

**Odour:** not determined

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## JB GERMAN OIL Hypoid Getriebeöl GL 5 SAE 75W-90 HAF-SX

### Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	226 °C			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	864 kg/m <sup>3</sup>	15 °C		
Bulk density	<i>not determined</i>			
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	97 mm <sup>2</sup> /s	40 °C		
Pour point	-57 °C			

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No known hazardous reactions. Combustible

### 10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

To avoid thermal decomposition do not overheat.

### 10.5. Incompatible materials

Materials to avoid: Acid, Oxidising agent, Reducing agent

### 10.6. Hazardous decomposition products

Hazardous combustion products: Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx) Gases/ vapours, toxic



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### SECTION 11: Toxicological information

#### \* 11.1. Information on toxicological effects

Substance name	Toxicological information
Dec-1-ene, Trimere, hydrated CAS No.: 157707-86-3 EC No.: 500-393-3	<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rabbit) <b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >5 mg/l 4 h (Rat)
Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified CAS No.: 64742-54-7 EC No.: 265-157-1	<b>LD<sub>50</sub> oral:</b> 5,000 mg/kg (Rat) OECD 401 <b>LD<sub>50</sub> dermal:</b> 5,000 mg/kg (Rabbit) OECD 402 <b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> 5.53 mg/l 4 h (Rat) OECD 403
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based CAS No.: 72623-87-1 EC No.: 276-738-4	<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg <b>LD<sub>50</sub> dermal:</b> >2,000 - 2,000 mg/kg <b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >5 mg/l
C16-18-(even numbered, saturated and unsaturated)- alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	<b>LD<sub>50</sub> oral:</b> >1,200 mg/kg (Rat) OECD 401 <b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rat) OECD 402 <b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >5 mg/l 4 h
Amines, C10-14-tert-alkyl EC No.: 701-175-2	<b>LD<sub>50</sub> oral:</b> 612 mg/kg (Rat) OECD TG 401 <b>LD<sub>50</sub> dermal:</b> 251 mg/kg (Rabbit) OECD TG 402 <b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >1.19 mg/l 4 h (Rat)

#### Acute oral toxicity:

Based on available data, the classification criteria are not met.

#### Acute dermal toxicity:

Based on available data, the classification criteria are not met.

#### Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitisation:

Contains Amines, C10-14-tert-alkyl. May produce an allergic reaction. By analogy.

#### Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity:

Based on available data, the classification criteria are not met.

#### Reproductive toxicity:

Based on available data, the classification criteria are not met.

#### STOT-single exposure:

Based on available data, the classification criteria are not met.

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### STOT-repeated exposure:

Based on available data, the classification criteria are not met.

### Aspiration hazard:

Based on available data, the classification criteria are not met.

### Additional information:

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance name	Toxicological information
Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified CAS No.: 64742-54-7 EC No.: 265-157-1	<b>LC<sub>50</sub></b> : 100 mg/l 4 d (fish) <b>NOEC</b> : 100 mg/l 4 d (fish) <b>EC<sub>50</sub></b> : 10,000 mg/l 2 d (crustaceans) <b>LC<sub>50</sub></b> : 10,000 mg/l 4 d (crustaceans) <b>NOEC</b> : 100 mg/l 3 d (Algae/water plant)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based CAS No.: 72623-87-1 EC No.: 276-738-4	<b>LC<sub>50</sub></b> : 100 mg/l 4 d (fish) <b>NOEC</b> : 100 mg/l 4 d (fish) <b>EC<sub>50</sub></b> : 10,000 mg/l 2 d (crustaceans) <b>LC<sub>50</sub></b> : 10,000 mg/l 4 d (crustaceans) <b>NOEC</b> : 100 mg/l 3 d (Algae/water plant)
C16-18-(even numbered, saturated and unsaturated)- alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	<b>NOEC</b> : >0.63 mg/l 4 d (fish) <b>LC<sub>50</sub></b> : >0.84 mg/l 4 d (fish) <b>EC<sub>50</sub></b> : >0.32 mg/l 2 d (crustaceans) <b>EC<sub>50</sub></b> : >0.39 mg/l 3 d (Algae/water plant)
Amines, C10-14-tert-alkyl EC No.: 701-175-2	<b>LC<sub>50</sub></b> : 1.3 mg/l 4 d (fish, rainbow trout) <b>NOEC</b> : 0.078 mg/l 56 d (fish, rainbow trout) <b>EC<sub>50</sub></b> : 2.5 mg/l 2 d (crustaceans, Daphnia magna) <b>NOEC</b> : 0.05 mg/l 3 d (Algae/water plant, Selenastrum capricornutum) <b>EC<sub>50</sub></b> : 0.435 mg/l 3 d (Algae/water plant, Selenastrum capricornutum)

### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Substance name	Biodegradation	Remark
Amines, C10-14-tert-alkyl EC No.: 701-175-2	Yes, slowly	

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
Dec-1-ene, Trimere, hydrated CAS No.: 157707-86-3 EC No.: 500-393-3	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.
Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified CAS No.: 64742-54-7	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.

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Substance name	Results of PBT and vPvB assessment
EC No.: 265-157-1	
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based CAS No.: 72623-87-1 EC No.: 276-738-4	—
C16-18-(even numbered, saturated and unsaturated)-alkylamines CAS No.: 1213789-63-9 EC No.: 627-034-4	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
Amines, C10-14-tert-alkyl EC No.: 701-175-2	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

#### Waste treatment options

##### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package:

Non-contaminated packages may be recycled.

### 13.2. Additional information

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	
<b>14.1. UN-No.</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	
<b>14.3. Transport hazard class(es)</b>			
not relevant			
<b>14.4. Packing group</b>			
not relevant			
<b>14.5. Environmental hazards</b>			
not relevant			
<b>14.6. Special precautions for user</b>			
not relevant			

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

###### Other regulations (EU):

Safety data sheet available for professional user on request.

##### 15.1.2. National regulations

###### [DE] National regulations

###### Störfallverordnung

###### for substances contained in the product:

E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

###### Technische Anleitung Luft (TA-Luft)

###### Remark:

To follow: 5.2.5

###### Water hazard class

###### WGK:

2 - deutlich wassergefährdend

###### Source:

Self-classification (mixture; calculation rule).

###### Technische Regeln für Gefahrstoffe

TRGS 510

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

###### Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Berufsgenossenschaftliche Informationen (DGUV-Informationen) 868

Berufsgenossenschaftliche Regeln (DGUV-Regeln) 189, 190, 192, 195

###### Other regulations, restrictions and prohibition regulations

Altöl-Verordnung (AltöIV)

#### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### 16.1. Indication of changes

1.1.	Product identifier
2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
11.1.	Information on toxicological effects

#### 16.2. Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

#### 16.3. Key literature references and sources for data

67/548/EEC - Dangerous Substances Directive 1999/45/EEC - Dangerous Preparations Directive EC 1907/2006 - REACH Regulation 1272/2008 EC - Regulation on classification, labeling and packaging of substances and mixtures, and amending Directives 67/548/EEC and 1999/45/EC and Regulation (EC) No 1907/2006 Regulation (EC) No 1907/2006 (REACH), Annex II European Chemicals Agency (ECHA), C & L classification and labeling inventory European Chemicals Agency (ECHA), ECHA CHEM Registered substances OECD The Global Portal to Information on Chemical Substances (ChemPortal) Institute

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for Occupational Safety and Health of the German Social Accident Insurance (IFA): GESTIS substance database and International limit values for chemical substances Federal Environment Agency, Section IV 2.4: Documentation and Information Centre substances hazardous to water Rigoletto (catalog substances hazardous to water)

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

Hazard classes and hazard categories	Hazard statements	Classification procedure
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure. (...)
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

\* Data changed compared with the previous version