

# SAFETY DATA SHEET

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

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## JB GERMAN OIL ATF 8001 Fluid (rot)

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

#### 1.1. Product identifier

Trade name/designation:

JB GERMAN OIL ATF 8001 Fluid (rot)

Article No.:

j2377...

#### 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.

Wölbower 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 statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
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##### 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.
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#### 2.3. Other hazards

No data available

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### 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
<b>CAS No.:</b> 64742-54-7 <b>EC No.:</b> 265-157-1 <b>REACH No.:</b> 01-2119484627-25	<b>Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified</b> Asp. Tox. 1 <b>Danger</b> H304	40 - ≤ 67 weight-%
<b>CAS No.:</b> 68649-11-6 <b>EC No.:</b> 500-228-5 <b>REACH No.:</b> 01-2119493069-28	<b>Dec-1-ene, dimers, hydrogenated</b> Acute Tox. 4, Asp. Tox. 1 <b>Danger</b> H304	4 - ≤ 8 weight-%
<b>CAS No.:</b> 64742-55-8 <b>EC No.:</b> 265-158-7 <b>REACH No.:</b> 01-2119487077-29	<b>Distillates (petroleum), hydrotreated light paraffinic</b> Asp. Tox. 1 H304	1 - < 2.4 weight-%
<b>CAS No.:</b> 36878-20-3 <b>EC No.:</b> 253-249-4 <b>REACH No.:</b> 01-2119488911-28	<b>bis(nonylphenyl)amine</b> Aquatic Chronic 4 H413	0 - < 1.2 weight-%
<b>CAS No.:</b> 125643-61-0 <b>EC No.:</b> 406-040-9 <b>REACH No.:</b> 01-0000015551-76	<b>Isomer mixture of C7-9-alkyl-3- (3,5-di-trans-butyl-4-hydroxyphenyl) propionate</b> Aquatic Chronic 4 H413	0 - < 1.2 weight-%
<b>CAS No.:</b> 72623-86-0 <b>EC No.:</b> 276-737-9 <b>REACH No.:</b> 01-2119474878-16	<b>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</b> Asp. Tox. 1 <b>Danger</b> H304	0 - < 1.2 weight-%
<b>CAS No.:</b> 192268-65-8 <b>EC No.:</b> 421-820-9	<b>Mixture of: triphenylthio-phosphate and tertiary butylated phenyl derivatives</b> Aquatic Chronic 4, Repr. 2 H361d-H413	0 - ≤ 0.45 weight-%
<b>EC No.:</b> 424-820-7 <b>REACH No.:</b> 01-0000017126-75	<b>Reaction product of alkylthioalcohol and substituted phosphorus compound</b> Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1, Skin Corr. 1B <b>Danger</b> H312-H314-H400-H410 M-factor (acute): 10 M-factor (chronic): 10	0 - < 0.24 weight-%
<b>EC No.:</b> 948-020-7	<b>Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide</b> Acute Tox. 4, Aquatic Chronic 4, Skin Irrit. 2, Skin Sens. 1 <b>Warning</b> H315-H317-H332-H413	0 - < 0.1 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.

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### 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 contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

### Following ingestion:

Rinse mouth thoroughly with water. Do NOT induce vomiting. Consult a doctor immediately. Rinse mouth. Let water be drunk 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.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Use water spray jet to protect personnel and to cool endangered containers.

#### 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

#### 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. Avoid breathing dust/fume/gas/mist/vapours/spray. 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

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### 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

#### 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

### 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.

#### 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 (TRGS 510, Germany):** 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)	Dec-1-ene, dimers, hydrogenated CAS No.: 68649-11-6 EC No.: 500-228-5	① 5 mg/m <sup>3</sup> ② 20 mg/m <sup>3</sup> ⑤ (alveolengängige Fraktion)

##### 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
Dec-1-ene, dimers, hydrogenated CAS No.: 68649-11-6 EC No.: 500-228-5	60 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, systemic effects
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	5 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Isomer mixture of C7-9-alkyl-3- (3,5-di-trans-butyl-4-hydroxyphenyl) propionate CAS No.: 125643-61-0 EC No.: 406-040-9	2.33 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0 EC No.: 276-737-9	2.73 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0 EC No.: 276-737-9	5.58	① DNEL worker ② Long-term - inhalation, local effects
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0 EC No.: 276-737-9	0.97 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
Mixture of: triphenylthio-phosphate and tertiary butylated phenyl derivatives CAS No.: 192268-65-8 EC No.: 421-820-9	1.2 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic) EC No.: 701-204-9	11.75 mg/cm <sup>2</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic) EC No.: 701-204-9	3.33 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2 EC No.: 800-172-4	24.7 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects

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Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2 EC No.: 800-172-4	350 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	1.76 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	0.5 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate CAS No.: 93882-40-7 EC No.: 299-434-3	3.526 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate CAS No.: 93882-40-7 EC No.: 299-434-3	2 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide EC No.: 948-020-7	5.43 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide EC No.: 948-020-7	1.54 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects

Substance name	PNEC Value	① PNEC type
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	412 µg/l	① PNEC aquatic, freshwater
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	41.2 µg/l	① PNEC aquatic, marine water
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	1 mg/l	① PNEC aquatic, intermittent release
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0 EC No.: 276-737-9	9.99 mg/kg	① PNEC secondary poisoning
Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic) EC No.: 701-204-9	460 µg/l	① PNEC aquatic, freshwater
Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic) EC No.: 701-204-9	46 µg/l	① PNEC aquatic, marine water
Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic) EC No.: 701-204-9	1,000 mg/l	① PNEC sewage treatment plant
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2 EC No.: 800-172-4	2.4 µg/l	① PNEC aquatic, freshwater

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Substance name	PNEC Value	① PNEC type
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2 EC No.: 800-172-4	0.33 µg/l	① PNEC aquatic, marine water
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2 EC No.: 800-172-4	100 mg/l	① PNEC sewage treatment plant
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2 EC No.: 800-172-4	0.433 mg/kg	① PNEC sediment, freshwater
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2 EC No.: 800-172-4	0.0596 mg/kg	① PNEC soil, marine water
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	0.9 µg/l	① PNEC aquatic, freshwater
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	0.09 µg/l	① PNEC aquatic, marine water
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	5 mg/l	① PNEC sewage treatment plant
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	0.159 mg/kg bw/day	① PNEC sediment, freshwater
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	0.0159 mg/kg bw/day	① PNEC sediment, marine water
Distillates (petroleum), solvent-refined heavy paraffinic CAS No.: 64741-88-4 EC No.: 265-090-8	9.33 mg/kg	① PNEC secondary poisoning
4,4'-thiodiethylene hydrogen -2-octadecenyloxy succinate CAS No.: 93882-40-7 EC No.: 299-434-3	9.5 µg/l	① PNEC aquatic, freshwater
4,4'-thiodiethylene hydrogen -2-octadecenyloxy succinate CAS No.: 93882-40-7 EC No.: 299-434-3	0.95 µg/l	① PNEC aquatic, marine water
4,4'-thiodiethylene hydrogen -2-octadecenyloxy succinate CAS No.: 93882-40-7 EC No.: 299-434-3	100 mg/l	① PNEC sewage treatment plant
4,4'-thiodiethylene hydrogen -2-octadecenyloxy succinate CAS No.: 93882-40-7 EC No.: 299-434-3	95 µg/l	① PNEC aquatic, intermittent release

## 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



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### 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.

### Respiratory protection:

Usually no personal respirative protection necessary.

### 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: red

Odour: not determined

#### 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	208 °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	838 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	25 mm <sup>2</sup> /s	40 °C		
Pour Point	-48			

### 9.2. Other information

No data available



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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No known hazardous reactions.

#### 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)

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Substance name	Toxicological information
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
Dec-1-ene, dimers, hydrogenated CAS No.: 68649-11-6 EC No.: 500-228-5	<b>LD<sub>50</sub> oral:</b> >2,000 - <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> >1.1 - <1.4 mg/l 4 h (Rat)
Distillates (petroleum), hydrotreated light paraffinic CAS No.: 64742-55-8 EC No.: 265-158-7	<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (rats) OECD 401 <b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (rabbits) OECD 402 <b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >5 mg/l 4 h (rats) OECD 403
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	<b>LD<sub>50</sub> oral:</b> 5,000 g/m <sup>3</sup> (Rat) <b>LD<sub>50</sub> dermal:</b> >2,000 g/m <sup>3</sup> (Rabbit) <b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >5 mg/l
Isomer mixture of C7-9-alkyl-3- (3,5-di-trans-butyl-4-hydroxyphenyl) propionate CAS No.: 125643-61-0 EC No.: 406-040-9	<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Ratte) <b>LD<sub>50</sub> oral:</b> >2,000 mg/kg (Ratte)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0 EC No.: 276-737-9	<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> >5.53 mg/l 4 h

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Substance name	Toxicological information
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	<b>LD<sub>50</sub> oral:</b> 2,000 mg/kg (rat) <b>LD<sub>50</sub> dermal:</b> 500 mg/kg (rabbit)
Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide EC No.: 948-020-7	<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 (vapour):</b> 3.08 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 Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide. May produce an allergic reaction.

### 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.

### 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

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### 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)
Distillates (petroleum), hydrotreated light paraffinic CAS No.: 64742-55-8 EC No.: 265-158-7	<b>LC<sub>50</sub></b> : >100 mg/l 4 d (fish) <b>LC<sub>50</sub></b> : >10,000 mg/l 4 d (crustaceans) <b>NOEC</b> : >10,000 mg/l 4 d (crustaceans) <b>NOEC</b> : >100 mg/l 3 d (Algae/water plant)
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	<b>LC<sub>50</sub></b> : >100 mg/l 4 d (fish) <b>EC<sub>50</sub></b> : >100 mg/l 2 d (crustaceans) <b>EC<sub>50</sub></b> : 600 mg/l 3 d (Algae/water plant)
Isomer mixture of C7-9-alkyl-3- (3,5-di-trans-butyl-4-hydroxyphenyl) propionate CAS No.: 125643-61-0 EC No.: 406-040-9	<b>NOEC</b> : >3 mg/l 3 d (Algae/water plant, Alge) <b>EC<sub>50</sub></b> : >100 mg/l 2 d (crustaceans, Daphnie)
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	<b>LC<sub>50</sub></b> : 1.5 mg/l 4 d (fish) <b>EC<sub>50</sub></b> : 0.09 mg/l 2 d (crustaceans) <b>EC<sub>50</sub></b> : 0.31 mg/l 3 d (Algae/water plant)
Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide EC No.: 948-020-7	<b>LC<sub>50</sub></b> : 100 mg/l 4 d (fish) <b>LC<sub>50</sub></b> : 45 mg/l 2 d (crustaceans) <b>NOEC</b> : 100 mg/l 3 d (Algae/water plant)

#### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

Substance name	Biodegradation	Remark
Dec-1-ene, dimers, hydrogenated CAS No.: 68649-11-6 EC No.: 500-228-5	Yes, rapidly	
Distillates (petroleum), hydrotreated light paraffinic CAS No.: 64742-55-8 EC No.: 265-158-7	Yes, slowly	
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	—	
Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide EC No.: 948-020-7	Yes, slowly	

#### 12.3. Bioaccumulative potential

Substance name	Log K <sub>ow</sub>	Bioconcentration factor (BCF)
Dec-1-ene, dimers, hydrogenated CAS No.: 68649-11-6 EC No.: 500-228-5	6.5	
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	7.6	1,584.89

#### 12.4. Mobility in soil

No data available

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### 12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified CAS No.: 64742-54-7 EC No.: 265-157-1	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.
Dec-1-ene, dimers, hydrogenated CAS No.: 68649-11-6 EC No.: 500-228-5	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.
Distillates (petroleum), hydrotreated light paraffinic CAS No.: 64742-55-8 EC No.: 265-158-7	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.
Isomer mixture of C7-9-alkyl-3- (3,5-di-trans-butyl-4- hydroxyphenyl) propionate CAS No.: 125643-61-0 EC No.: 406-040-9	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0 EC No.: 276-737-9	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.
Mixture of: triphenylthio-phosphate and tertiary butylated phenyl derivatives CAS No.: 192268-65-8 EC No.: 421-820-9	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.
Reaction product of alkylthioalcohol and substituted phosphorus compound EC No.: 424-820-7	The substance in the mixture does not meet the PBT/ vPvB criteria according to REACH, annex XIII.
Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide EC No.: 948-020-7	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.

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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			
<b>14.7. Transport in bulk according to Annex II of Marpol and the IBC Code</b>			
not applicable			

## 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

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### 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

2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
9.1.	Information on basic physical and chemical properties
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture

### 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 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 ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### 16.6. Training advice

No data available

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### 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