

# Safety Data Sheet

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



Trade name : TURMOGREASE LC 1801 EP  
Revision date : 02.05.2016  
Date of print : 02.05.2016

Version (Revision) : 1.0.1 (1.0.0)

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

### 1.1 Product identifier

TURMOGREASE LC 1801 EP

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

**Relevant identified uses**

**Product categories [PC]**

PC24 - Lubricants, greases, release products

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

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

Lubricant Consult GmbH

**Street :** Gutenbergstraße 13

**Postal code/city :** 63477 MAINTAL

**Telephone :** 06109/7650-0

**Telefax :** 06109/7650-51

### 1.4 Emergency Telephone Number

06109/7650-0

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Directive 67/548/EEC or 1999/45/EC**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 52/53

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

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Category 3 ; Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

**Labelling (67/548/EEC or 1999/45/EC)**

**R-phrases**

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-phrases**

57 Use appropriate container to avoid environmental contamination.  
61 Avoid release to the environment. Refer to special instructions / safety data sheet.  
35 This material and its container must be disposed of in a safe way.

**Special provisions concerning the labelling of certain mixtures**

99 Contains Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide. May produce an allergic reaction.

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

**Hazard Statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.  
P501 Dispose of contents/container to ....

**Special rules for supplemental label elements for certain mixtures**

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EUH208 Contains Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide. May produce an allergic reaction.

### 2.3 Other hazards

None

## SECTION 3: Composition/ information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salt ; EC No : 272-028-3; CAS No. : 68649-42-3

Weight fraction : 2,5 - 5 %

Classification 67/548/EEC : R52/53 Xi ; R36 Xi ; R38

Classification 1271/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide ; EC No : 294-716-2; CAS No. : 91745-46-9

Weight fraction : < 0,5 %

Classification 67/548/EEC : N ; R51/53 R43

Classification 1271/2008 [CLP] : Skin Sens. 1 ; H317 Aquatic Chronic 2 ; H411

(Z)-N-9-octadecenylpropane-1,3-diamine ; EC No : 230-528-9; CAS No. : 7173-62-8

Weight fraction : < 0,5 %

Classification 67/548/EEC : N ; R50 R53 Xi ; R41 Xi ; R38

Classification 1271/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aquatic Acute 1 ; H400 Aquatic Chronic 4 ; H413

#### Further ingredients

DESTILLATES (PETROLEUM), HYDRODESULFURIZED MIDDLE /GASOIL - UNSPECIFIED ; EC No : 265-183-3; CAS No. : 64742-80-9

Weight fraction : 50 - 100 %

Metallic soap

Additives, not to declare

#### Additional information

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap. In case of skin irritation, consult a physician.

#### After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Let water be drunken in little sips (dilution effect). Get medical

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advice/attention if you feel unwell.

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

No information available.

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

None

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). ABC-powder BC-powder Foam. Dry sand

##### Unsuitable extinguishing media

Water. Strong water jet. High power water jet.

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

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Burning produces heavy smoke.

#### 5.3 Advice for firefighters

Use suitable breathing apparatus.

#### 5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

Special danger of slipping by leaking/spilling product.

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

None

#### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Ensure waste is collected and contained. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

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

Take up mechanically, placing in appropriate containers for disposal. Soak up inert absorbent and dispose as waste requiring special attention. Suitable material for taking up: Universal binder Kieselguhr.

#### 6.4 Reference to other sections

None

### SECTION 7: Handling and storage



#### 7.1 Precautions for safe handling

##### Protective measures

It is recommended to design all work processes always so that the following is excluded: Generation/formation of mist  
Avoid: Inhalation of vapours or spray/mists. Skin contact, Eye contact. Wash hands before breaks and after work.  
When using do not eat, drink, smoke, sniff.

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

##### Hints on joint storage

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**Storage class :** 11  
**Storage class (TRGS 510) :** 11

**Keep away from**  
Food and feedingstuffs

### Further information on storage conditions

Keep/Store only in original container. Keep container tightly closed. Protect against UV-radiation/sunlight. Humidity. Contact with air/oxygen. Dust deposits

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work. Take the precautions customary when handling chemicals. Change contaminated, saturated clothing. Keep away from sources of ignition. - No smoking.

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye / face protection

Eye protection: not applicable. Avoid: Eye contact.

##### Recommended eye protection articles

DIN EN 166

##### Skin protection

###### Hand protection

Wear suitable gloves.

**By long-term hand contact :** Use gloves only once.

**Suitable material :** NBR (Nitrile rubber). Butyl caoutchouc (butyl rubber).

**Recommended glove articles :** DIN EN 374 DIN EN 420

##### Respiratory protection

No special measures are necessary. Avoid: Inhalation of vapours or spray/mists

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Colour :** yellow

#### Safety relevant basis data

<b>Physical state :</b>			pasty
<b>Boiling temperature / range :</b>	( 1013 hPa )	>	250 °C
<b>Decomposition temperature :</b>	( 1013 hPa )	>	250 °C
<b>Flash point :</b>	( 1013 hPa )	>	220 °C
<b>Vapour pressure :</b>	( 50 °C )	<	0,1 hPa
<b>Density :</b>	( 20 °C )	=	0,91 g/cm <sup>3</sup>

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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No information available.

## 10.2 Chemical stability

The product is stable.

## 10.3 Possibility of hazardous reactions

No information available.

## 10.4 Conditions to avoid

No information available.

## 10.5 Incompatible materials

Oxidising agent, strong.

## 10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Gases/vapours, harmful.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

By analogy.

#### Acute effects

##### Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg

##### Acute dermal toxicity

Parameter :	LD50
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

#### Biodegradation

Not readily biodegradable (according to OECD criteria).

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Further ecological information

None

### 12.8 Overall evaluation

If product enters soil, it will be mobile and may contaminate groundwater. In accordance with the required stability the product is poorly biodegradable.

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### SECTION 13: Disposal considerations

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

#### 13.1 Waste treatment methods

Send to a hazardous waste incinerator facility under observation of official regulations. Collect the waste separately. Evidence for disposal must be provided.

### SECTION 14: Transport information

#### 14.1 UN number

No dangerous goods in sense of this transport regulation.

#### 14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

#### 14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

#### 14.4 Packing group

No dangerous goods in sense of this transport regulation.

#### 14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

#### 14.6 Special precautions for user

None

### SECTION 15: Regulatory information

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

##### National regulations

##### Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

#### 15.2 Chemical safety assessment

No information available.

### SECTION 16: Other information

#### 16.1 Indication of changes

02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling (67/548/EEC or 1999/45/EC) · 03. Hazardous ingredients

#### 16.2 Abbreviations and acronyms

None

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

None

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

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
36	Irritating to eyes.
38	Irritating to skin.
41	Risk of serious damage to eyes.
43	May cause sensitization by skin contact.
50	Very toxic to aquatic organisms.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.

## 16.5 Training advice

None

## 16.6 Additional information

None

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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.

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