

# Safety Data Sheet

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



Trade name : TURMOFLUID LMI 300  
Revision date : 24.02.2023  
Print date : 24.02.2023

Version (Revision) : 1.3.0 (1.2.0)

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

### 1.1 Product identifier

TURMOFLUID LMI 300

### 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 (GERMANY)

**Telephone :** +49 6109/7650-0

**Telefax :** +49 6109/7650-51

**E-mail :** msds-request@lubcon.com

US Distributor

Fuchs Lubricants Co.

17050 Lathrop Avenue

Harvey, IL 60426

(708) 333-8900

(800) 255-3924 24 hrs Emergency

**Information contact :** Environment, Health & Safety: Dr. Rüdiger Hofmann

### 1.4 Emergency telephone number

+49 6109/7650-0

Monday to Friday 8:00 AM to 4:00 PM (CET)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

None

### 2.2 Label elements

None

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

None

#### Further ingredients

Ester oil

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial

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respiration. In case of respiratory tract irritation, consult a physician.

### In case of skin contact

Change contaminated, saturated clothing. 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 thoroughly with water. Let water be drunken in little sips (dilution effect). When in doubt or if symptoms are observed, get medical advice.

## 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

Foam. Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. ABC-powder. BC-powder. Sand. Water spray jet.

#### 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 (CO). Carbon dioxide (CO<sub>2</sub>). Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

#### Hazardous combustion products:

Do not breathe gas/fumes/vapour/spray. Gases/vapours, harmful.

### 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

None

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

Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Universal binder. Kieselguhr.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

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## 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. 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

Storage class : 10

Storage class (TRGS 510) : 10

### Keep away from

No information available.

### 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

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

Eye protection: not required. Avoid: Eye contact.

##### Recommended eye protection articles

DIN EN 166

##### Skin protection

###### Hand protection

Hand protection is not required

**By long-term hand contact :** Wear suitable gloves.

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

**Recommended glove articles :** EN ISO 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 :** transparent

#### Safety relevant basis data

**Physical state :**

**Solidifying point :** ( 1013 hPa ) = liquid -10 °C

**Initial boiling point and boiling** ( 1013 hPa ) > 250 °C

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|                             |              |   |                        |
|-----------------------------|--------------|---|------------------------|
| range :                     |              |   |                        |
| Decomposition temperature : | ( 1013 hPa ) | > | 220 °C                 |
| Flash point :               | ( 1013 hPa ) | > | 230 °C                 |
| Vapour pressure :           | ( 50 °C )    | < | 0,1 hPa                |
| Density :                   | ( 20 °C )    | = | 0,95 g/cm <sup>3</sup> |
| Viscosity :                 | ( 40 °C )    | = | 15 mm <sup>2</sup> /s  |
| Viscosity :                 | ( 100 °C )   | = | 3,5 mm <sup>2</sup> /s |

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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. Acid, concentrated. Alkali (lye), concentrated.

### 10.6 Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute effects

##### Acute oral toxicity

|                  |              |
|------------------|--------------|
| Parameter :      | LD50         |
| Exposure route : | Oral         |
| Species :        | Mouse        |
| Effective dose : | > 5000 mg/kg |
| Method :         | OECD 401     |

##### Acute dermal toxicity

|                  |              |
|------------------|--------------|
| Parameter :      | LD50         |
| Exposure route : | Dermal       |
| Species :        | Rabbit       |
| Effective dose : | > 2000 mg/kg |

##### Acute inhalation toxicity

|                  |                        |
|------------------|------------------------|
| Parameter :      | LC50                   |
| Exposure route : | Inhalation (dust/mist) |
| Species :        | Rat                    |
| Effective dose : | > 1,86 mg/l            |
| Exposure time :  | 6 h                    |
| Method :         | OECD 403               |

#### Irritant and corrosive effects

##### Primary irritation to the skin

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Not an irritant.

### 11.2 Information on other hazards

No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

By analogy:

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Harmless to fish up to the concentration tested.

##### Acute (short-term) daphnia toxicity

Parameter : EC50  
Species : Acute (short-term) daphnia toxicity  
Effective dose : > 100 mg/l  
Exposure time : 48 h  
Harmless to daphnia up to the tested concentration.

##### Acute (short-term) algae toxicity

Parameter : ErC50  
Species : Desmodesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : = 0,449 mg/l  
Exposure time : 72 h  
Harmless to algae up to the concentration tested.

### 12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

#### Biodegradation

Parameter : Biodegradation  
Evaluation parameter : Aerobic  
Effective dose : > 60 %  
Exposure time : 28 day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).

### 12.3 Bioaccumulative potential

Parameter : Partition coefficient: n-octanol/water  
Concentration : > 8  
Method : OECD 117

Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Endocrine disrupting properties

Endocrine disrupting potential: None known.

### 12.7 Other adverse effects

This product does not contain nanoparticles.

### 12.8 Overall evaluation

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

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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.

#### Product/Packaging disposal

**Waste codes/waste designations according to EWC/AVV**

##### Waste code product

13 02 07 - Readily biodegradable engine, gear and lubricating oils

### SECTION 14: Transport information

#### 14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

#### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

#### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

#### 14.4 Packing group

No dangerous good in sense of these transport regulations.

#### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

#### 14.6 Special precautions for user

None

#### 14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

### SECTION 15: Regulatory information

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

##### National regulations

##### Restrictions of occupation

Not relevant

##### Störfallverordnung

Not subject to StörfallVO.

##### Water hazard class (WGK)

Class : (awg) Hazardous to water in general. Classification according to AwSV

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

##### Switzerland

##### VOCV-Regulation

Volatile organic compounds (VOC) content in percent by weight : 0 %

##### Additional information

##### TSCA (Toxic Substances Control Act) - USA, United States of America

All chemical substances in this mixture are included on or are exempted from listing on the TSCA Inventory for Chemical Substances.

##### California Proposition 65 - State of California

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Based on available information this product does not contain any components or chemicals currently known to the State of California to cause cancer, birth defects or reproductive harm at levels which would be subject to Proposition 65.

## 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

11. Toxicological information · 12. Acute (short-term) daphnia toxicity · 12. Acute (short-term) algae toxicity · 12. Persistence and degradability · 13. Waste codes/waste designations according to EWC/AVV · 15. National regulations

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

None

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

The statement is derived from the properties of the single components.

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

None

### 16.6 Training advice

None

### 16.7 Additional information

None

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.