



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

Trade name : TURMOGREASE Bio LC 1302
Revision date : 29.09.2016
Print date : 07.05.2018
Version (Revision) : 1.1.0 (1.0.0)

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

1.1 Product identifier

TURMOGREASE Bio LC 1302

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

Relevant identified uses

Product Categories [PC]

- 1.3 Metabo_Ref. 631800000 / Special grease for tool shank end

Company: Metabowerke GmbH - Metabo-Allee-1 – DE-72622 Nürtingen

Phone: 0049 / (0) 7022 / 72-0 Fax: 0049 / (0) 7022 / 72 2714

1.4 Emergency telephone number

06109/7650-0

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

Metallic soap

Additives not to declare

SECTION 4: First aid measures

4.1 Description of first aid measures

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Following 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

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 drunk 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 (CO₂). 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 (CO₂). 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 : 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

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) 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

Physical state :

Initial boiling point and boiling (1013 hPa) > 300 °C

pasty
300 °C

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range :
Decomposition temperature : (1013 hPa) approx. 250 °C
Flash point : (1013 hPa) > 250 °C
Vapour pressure : (50 °C) < 0,1 hPa
Density : (20 °C) = 0,92 g/cm³

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 (CO₂). carbon black. 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

By analogy.

Aquatic toxicity

Acute (short-term) fish toxicity

Harmless to fish up to the concentration tested.

Acute (short-term) daphnia toxicity

Harmless to daphnia up to the tested concentration.

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Acute (short-term) algae toxicity

Harmless to algae up to the concentration tested.

12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

Biodegradation

Parameter :	Biodegradation
Inoculum :	Degree of elimination
Evaluation parameter :	Aerobic
Effective dose :	> 70 Wt %
Exposure time :	28 d
Evaluation :	Readily biodegradable (according to OECD criteria).
Method :	OECD 301D/ EEC 92/69/V, C.4-E

12.3 Bioaccumulative potential

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

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

12.8 Overall evaluation

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

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 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

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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 : 1 (Slightly 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. Label elements

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]

No information available.

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.

