

Safety data sheet

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



Trade name: Special grease for tool shank hand

Metabo no. : 631800000

Version / Language: 1.2 / EN

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Date: 17.08.2023

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

1.1 Product identifier

Product form: Mixture
Trade name: Special grease for tool shank hand
Product type: Lubricant
Product group: Mixture

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

Relevant identified uses

Commercial use, consumer use

Uses advised against

None

1.3 Details of the supplier providing the safety data sheet.

Metabowerke GmbH

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1.4 Emergency number

GBK GmbH (24 h): +49 (0)6132-84463

SECTION 2: Possible dangers

2.1 Classification of the substance or mixture

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

The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008 [GHS].

2.2 Labelling elements

Labelling in accordance with Regulation (EC) No 1272/2008 [CLP].

None

Additional sets, additional labelling

None

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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Although this product is not subject to labeling, we recommend that the safety advice be followed.

SECTION 3: Composition / information on ingredients

3.1 Fabrics

Not applicable

3.2 Mixtures

Contains

ester oil

metal soap

additives (not to declare)

Hazardous ingredients

None

Additional hints

For the wording of the listed hazard statements, see section 16.

This mixture does not contain any substances which fulfil the criteria of the hazard class "acute toxicity" according to the CLP Regulation.

Occupational exposure limits, where available, are given in section 8.

SECTION 4: First aid measures

4.1 Description of the first aid measures

General notes

No further information.

In case of eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye-irritation, consult a physician.

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.

In case of 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.

Self-protection of the first aider

No further information.

4.2 Most important symptoms and effects, both acute and delayed

Signs / symptoms of overexposure

No further information.

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4.3 Indications for immediate medical help or special treatment

Notes for the doctor

Treat symptomatically.

SECTION 5: Fire fighting measures

5.1 Extinguishing agent

Suitable extinguishing agents

Foam. Carbon dioxide (CO₂), Dry extinguishing powder, ABC-powder, BC-powder, sand, water spray jet.

Unsuitable extinguishing agents

Water, strong water jet, high power water jet.

5.2 Special hazards arising from the substance or mixture

Hazards arising from the substance or mixture

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

Hazardous combustion products

Carbon monoxide (CO), carbon dioxide (CO₂). Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Special protective equipment for fire fighting

Ambient air self-contained breathing apparatus. Full protective clothing.

Additional information

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

Special danger of slipping by leaking/spilling product.

Personnel not trained for emergencies

Protective equipment: None

Emergency plans: None

Emergency personnel

Protective equipment (appropriate material): None

6.2 Environmental protection measures

Avoid release into the environment.

6.3 Methods and material for retention and cleaning

Retention and waterproofing methods: No further information

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

Other information: No further information

6.4 Reference to other sections

For further information on disposal, see section 13.

SECTION 7: Handling and storage

The information in this section contains general advice and guidance

7.1 Protective measures 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.

Hygiene measures:

Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

7.2 Conditions for safe storage taking into account incompatibilities

Technical measures and storage conditions

Store in a dry area, without any dust and without exposure to air (well closed original containers) and at ambient temperatures between 0°C and 40°C.

Packaging materials

No further information.

Requirements for storage rooms and containers

Storage class: 11 (TRGS 510)

Substances to avoid: Keep away from food and feeding stuffs.

Further information on storage conditions

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

The shelf life of the product is about 5 years.

7.3 Specific end uses

Recommendations

No further information available.

SECTION 8: Exposure controls / Personal protective equipment

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The information in this section contains general advice and guidance. Information provided is based on typical anticipated uses of the product. Additional measures may be required for handling large quantities or other uses that may significantly increase worker exposure or release to the environment.

8.1 Parameters to be monitored

Occupational exposure limit values

CAS: Not available

ASGW short-term value: Not available

Dust, alveolar fraction (fine dust)

DNEL values

CAS: Not available

Oral DNEL Long-term, systemic Not available (consumer)

Dermal DNEL Long-term, systemic Not available (worker)

Not available (consumer)

Inhalation DNEL Long-term, systemic Not available (worker)

Not available (consumer)

PNEC values

CAS: Not available

PNEC waters, freshwater0 Not available

PNEC waters, seawater0 Not available

PNEC sediment, freshwater Not available

PNEC sediment, seawater Not available

PNEC clear plant (STP) Not available

PNEC soil Not available

Additional notes: The lists valid at the time of compilation served as a basis.

8.2 Exposure controls and monitoring

Suitable technical control devices

Ensure good ventilation of the workplace.

Limitation and monitoring of environmental exposure

Avoid release into the environment.

Individual protective measures, for example personal protective equipment

General protective and hygienic measures:

The usual precautions when handling chemicals must be observed.

Keep away from food, drink and animal feed.

Wash hands before breaks and at the end of work.

Do not inhale gases, vapors, aerosols.

Breathing protection

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

Hand protection



Hand protection is not required. By long term hand contact: wear suitable gloves. Suitable material: NBR (Nitril rubber), BR (Butyl caoutchouc, butyl rubber).

Recommended glove articles: EN ISO 374; DIN EN 420

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Eye/face protection



Eye protection: not required. Avoid: Eye contact.
Recommended eye protection articles: DIN EN 166

Body protection:

No further information.

Environmental exposure controls

Avoid release into the environment.

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance

State of aggregation:	Pasty
Colour:	Light beige
Odour:	Not available
Odour threshold:	Not available
pH value:	Not available
Melting point / freezing point:	Not available
Initial boiling point and boiling range:	> 300 °C
Flammability	Not available
Lower an upper explosion limit	Not available
Flash point:	> 250 °C
Decomposition temperature	250 °C
Ignition temperature:	Not available
Vapour pressure at 50°C:	0,1 hPa
Vapour density:	Not available
Relative density:	Not available
Density at 20°C:	0,92 g/cm ³
Solubility(ies):	Not available
Solubility water:	Not available
Partition coefficient n-octanol/water	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Kinematic viscosity at 40 °C	Not available
Evaporation number	Not available

9.2 Other information

Important health, safety and environmental information

Ignition temperature:	Not determined
Explosive properties:	Not determined
Solvent content VOC (EU)	Not determined
VOC (EU)	Not determined
Change of state Drip point:	Not determined
Pourpoint:	Not determined
Evaporation rate:	Not determined.

Information on physical hazard classes

Explosive substances/mixtures and articles containing explosives	Not applicable
Flammable gases	Not applicable
Aerosols	Not applicable
Oxidising gases	Not applicable
Gases under pressure	Not applicable
Flammable liquids	Not applicable

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Flammable solids	Not applicable
Self-reactive substances and mixtures	Not applicable
Pyrophoric liquids	Not applicable
Pyrophoric solids	Not applicable
Self-heating substances and mixtures	Not applicable
Substances and mixtures which, in contact with water, emit flammable gases in contact with water	Not applicable
Oxidising liquids	Not applicable
Oxidising solids	Not applicable
Organic peroxides	Not applicable
Substances and mixtures corrosive to metals	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No further information available

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

No further information available

10.4 Conditions to avoid

No further 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

Acute toxicity

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

LD/LC50-values classification-relevant

CAS: No further information

Orale LD50 >5000 mg/kg (rat)

Dermal LD50 >5000 mg/kg (Rabbit)

Corrosive/irritant effect on the skin

Not classified

Severe eye damage / irritation

Not classified

Sensitisation of the respiratory tract / skin:

Not classified

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Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity in case of single exposure:

Not classified

Specific target organ toxicity in case of repeated exposure

Not classified

Aspiration hazard

Not classified

Information on other hazards

No further information available.

SECTION 12: Environmental information

12.1 Toxicity

Aquatic toxicity:

CAS: No further information

LC50 >100 mg/l (fish, acute, short-term)

LC0 Not available (fish)

LC100 Not available (fish)

EC50 Not available (sediment)

EC50 >100 mg/l (daphnia , acute short term)

EC50 >100 mg/l (algae / cyanobacteria, acute, short-term)

EC100 Not available (aquatic invertebrates)

EC50 Not available (aquatic invertebrates)

NOEC Not available (sediment)

Not available (terrestrial macroorganisms (-arthropods))

NOEC Not available (algae / cyanobacteria)

NOEC Not available (aquatic invertebrates)

LOEC Not available (sediment)

Not available (terrestrial macroorganisms (-arthropods))

12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

Biodegradation

Parameters: Biodegradation

Inoculum: Degree of elimination

Evaluation parameters: Aerobic

Effective dose: > 70 wt.%

Exposure time: 28 d

Evaluation: Readily biodegradable (according to OECS criteria)

Method: OECS 301D

Biodegradation (Ester oil)

Parameter: Biodegradation (Ester oil)

Evaluation parameter: Aerobic

Effective dose: =86%

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Exposure time:	28d
Evaluation:	Readily biodegradable (according to OECD criteria).
Method:	OECD 301D

12.3 Bioaccumulative potential

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

12.4 Mobility in soil

No further information available.

12.5 Result of the 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.

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

SECTION 13: Handling and storage

The information in this section provides general advice and guidance. The list of identified uses in section 1 should be consulted for any application-specific information in the exposure scenario(s).

13.1 Waste treatment process

Recommendation:

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.

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

Waste code number:

12 01 12 Spent waxes and fats

European Waste Catalogue:

See waste code number.

Uncleaned packaging:

No further information.

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SECTION 14: Transport information

14.1 UN-Nummer oder ID-Nummer

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.2 Proper UN-shipping name

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.3 Proper UN-shipping name

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.4 Packing group

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.5 Environmental hazards

Indicator of environmentally hazardous substances

ADR/RID/IMGD-Code No

ICAO-TI/IATA-DGR No

14.6 Special precautions for the user

None

14.7 Carriage in bulk by sea in accordance with IMO instruments.

No transport as bulk according to IBC Code.

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SECTION 15: Legislation

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

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

EC Regulation (EC) No 1907/2006 (REACH)

Annex XIV: No restrictions.

Annex XVII: No restrictions.

Substances of very high concern (SVHC) No restrictions.

Directive 2011/65/EU (RoHS)

Annex II: None of the substances is included.

Directive 2012/18/EU (Sevec0)

Annex I: None of the substances is included.

Directive 2019/1148/EU (Marketing and use of explosives precursors)

Annex I: Restricted explosive precursors: None of the substances are included.

Annex II Reportable explosive precursors: None of the substances are included.

Directive 273/2004/EG (Drug precursors)

None of the substances is included.

National regulations:

Water hazard class:

WGK 1 (Self-assessment): 1 Slightly hazardous to water

Other EU provisions

Industrial emissions (integrated pollution prevention and control) - Air

No restrictions.

Industrial emissions (integrated pollution prevention and control) - Water substances

No restrictions.

Ozone-depletable substances (1005/2009/EU)

No restrictions.

Prior Informed Consent (PIC) (649/2012/EU)

No restrictions.

Storage class (TRGS 510)

11

Water hazard class

Class: 1 Classification according to AwSV

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other notes

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The information is based on the present state of our knowledge but does not represent any assurance of product properties and does not establish a contractual legal relationship. The classification of the mixture was made by calculation according to the rules of Annex I in Directive 1272/2008/EU.

16.1 Notes on changes

13. Waste codes/waste designations according to EWC/AVV.

15. National Regulations

16.2 Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS no.	Chemical Abstract Service - Number
CLP	Regulation on classification, labelling and packaging [Regulation (EC) No 1272/2008].
DMEL	Derived exposure level with minimal impairment
DNEL	Derived exposure level without impairment
EC no.	European Community Number
EN	European Standard
EUH rate	CLP-specific hazard statement
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
IARC	International Agency for Cancer Research
IATA	Association for International Air Transport
IMDG	Dangerous goods regulations for international maritime transport
PBT	Persistent, bioaccumulative and toxic substance
PNEC	Estimated non-effect concentration
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
MSDS	Safety data sheet
TRGS	Technical rules for hazardous substances
vPvB	Very persistent and very bioaccumulative

16.3 Important literature references and data sources

No information.

16.4 Classification of mixtures and assessment method used according to Regulation (EC) No 1207/2008 [CLP].

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

16.5 Wording of H and EUH phrases (number and full text)

No information.

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16.6 Full text of the classifications [CLP/GHS].

No information.

Note for the reader

To the best of our knowledge, the information contained herein is correct. However, neither the above-mentioned manufacturer nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.