

# Safety data sheet

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

Trade name: BIO-SÄGEKETTENHAFTÖL 1 L

Metabo no.: 628441000

Version / Language: 1.1 /

DESeite 1 from 12

Date: 13.12.2022



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

### 1.1 Product identifier

Product form: Mixture

Trade name: Metabo Organic Saw Chain Adhesive Oil 1 l

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 as lubricant, use as lubricant by consumers

#### Uses advised against

None

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

Metabowerke GmbH

Metabo Alley 1

D-72622 Nürtingen

Phone: +49 (0) 7022 - 72 0

Fax: +49 (0) 7022 - 72 2595

Web: <https://www.metabo.com>

E-mail: [product-compliance@metabo.de](mailto:product-compliance@metabo.de)

### 1.4 Emergency number

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

## ABSCHNITT 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 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

### 2.3 Other hazards

Although this product does not require labelling, we recommend that you follow the safety advice.

## ABSCHNITT 3: Composition / information on ingredients

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## 3.1 Fabrics

Not applicable

## 3.2 Mixtures

Mixture of vegetable oils and fatty acid esters with additives

### Hazardous ingredients

None.

There are no ingredients present which, according to the current state of knowledge, are classified as harmful to health or the environment in the applicable concentrations.

### Additional hints

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

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

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

## ABSCHNITT 4: First aid measures

### 4.1 Description of the first aid measures

#### General notes

Change contaminated clothing.

Consult a doctor if symptoms persist.

#### In case of eye contact

Do not rub eyes dry, as corneal damage is possible due to mechanical stress. If necessary, remove contact lenses and rinse eyes thoroughly with plenty of water, if possible use isotonic eye rinse 0.9% NaCl.

If symptoms persist, seek medical help (ophthalmologist or occupational physician).

#### Inhalation

Provide fresh air, remove any dust from the throat and nose area.

Consult a doctor if symptoms persist

#### In case of skin contact

Wash off immediately with soap and water and rinse well.

Consult a doctor if symptoms persist.

#### In case of ingestion

Do not attempt neutralisation. Do not induce vomiting. Rinse mouth thoroughly with water.

Consult a doctor if symptoms persist.

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

#### Signs / symptoms of overexposure

No further information.

### 4.3 Indications for immediate medical help or special treatment

#### Notes for the doctor

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Treat symptomatically.

## ABSCHNITT 5: Fire fighting measures

### 5.1 Extinguishing agent

#### Suitable extinguishing agents

Water mist

Water spray

Foam

Extinguishing powder

Carbon dioxide.

#### Unsuitable extinguishing agents

Water in full jet

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

#### Hazards arising from the substance or mixture

When heated or on fire, a pressure increase occurs and the container may burst

#### Hazardous combustion products

Carbon dioxide, carbon monoxide

### 5.3 Advice for firefighters

Cool endangered containers with water spray from a safe distance.

Do not inhale explosion and fire gases

#### Special protective equipment for fire fighting

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

## ABSCHNITT 6: Accidental release measures

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

Emergency measures: Use personal protective clothing.  
Special slip hazard due to leaked/spilled product.  
Keep ignition sources away.  
Ensure sufficient ventilation

### 6.2 Environmental protection measures

Avoid release into the environment.

Do not allow to enter the subsoil/ground. Do not allow to enter drains/surface waters/groundwater.

Notify the competent authorities if the product has caused environmental pollution (sewage systems, surface water, soil or air).

### 6.3 Methods and material for retention and cleaning

Clean-up procedure: Absorb the product with liquid-binding material (e.g. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the absorbed material according to regulations.

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## 6.4 Reference to other sections

For further information on disposal, see section 13.

## ABSCHNITT 7: Handling and storage

The information in this section contains general advice and guidance

### 7.1 Protective measures for safe handling

**Protective measures:**

No special measures required.

Store in a cool, dry place in tightly closed containers.

**Hygiene measures:**

Do not eat, drink or smoke when using. Always wash hands after handling the product. Remove contaminated, soaked clothing immediately.

### 7.2 Conditions for safe storage taking into account incompatibilities

Store only in the original container. Protect from sunlight.

Store in a cool, dry place in tightly closed containers.

Store in a cool and dry place. Protect from frost. Store at + 0 to + 60 °C.

Co-storage with medicinal products, foodstuffs and feedstuffs including additives is prohibited

Storage class: 10

### 7.3 Specific end uses

**Recommendations**

No further information available.

## ABSCHNITT 8: Exposure controls / Personal protective equipment

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: 2082-79-3 Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionat**

ASGW short-term value: 1.25 A mg/m<sup>3</sup>

Dust, alveolar fraction (fine dust)

**CAS: 9006-04-6 Natural rubber**

MAK: see section IV

**DNEL values**

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## CAS: 2082-79-3 Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate

OralDNEL	Long-term, systemic0	.64 mg/kg bw/day (consumer)
Dermal	DNEL Long-term, systemic1	.28 mg/kg bw/day (worker)
		0.64 mg/kg bw/day (consumer)
InhalationDNEL	Long-term, systemic	3.6 mg/m3 (worker)
		0.65 mg/m3 (consumer)

## PNEC values

### CAS: 2082-79-3 Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate

PNEC waters, freshwater0	.04 mg/L (-)
PNEC waters, seawater0	.004 mg/L (-)
PNEC sediment, freshwater	1,490,000 mg/kg (-)
PNEC sediment, seawater149	,000 mg/kg (-)
PNEC clear plant (STP)	10 mg/L (-)
PNEC soil297	,000 mg/kg (-)

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

## 8.2 Exposure controls and monitoring

### Suitable technical control devices

No further information, see section 7.

### 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.

### Breathing protection

Respiratory protection only in case of aerosol or mist formation.

If the recommended exposure limits are exceeded:

Multi-purpose combination filters (US) or filter type ABEK (EN 14387) must be used.

Respiratory protection devices and components must comply with appropriate government standards such as NIOSH

(US) or CEN (EU) tested and approved.

### Hand protection



Recommendation: Chemical-resistant protective gloves (EN 374)

### Glove material

Nitrile rubber

Chloroprene rubber

The selection of a suitable glove is not only dependent on the material, but also on other factors. quality characteristics and varies from manufacturer to manufacturer. Since the product is a preparation from several substances, the resistance of glove materials is not predictable and must therefore be checked before use.

### Penetration time of the glove material

Recommended value for permeation: Level 6  $\geq$  480 min.

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

Additional note: The data are based on own tests, literature data and information from glove manufacturers or are derived by analogy from similar substances. It should be noted that the daily duration of use of a chemical protective glove in practice may be significantly shorter than the permeation time

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determined by tests due to the many influencing factors (e.g. temperature). Due to the large variety of types, the manufacturer's instructions for use must be observed.

## Eye/face protection



Recommendation: Use safety goggles according to EN 166:2001

## Body protection:

Impermeable protective clothing

Non-slip shoes recommended.

## ABSCHNITT 9: Physical and chemical properties

### 9.1 Information on the basic physical and chemical properties

#### Appearance

State of aggregation:	Liquid
Colour:	Brown
Odour:	Characteristic
Odour threshold:	Not available
pH value:	Not available
Melting point / freezing point:	not determined
Initial boiling point and boiling range:	Not available
Flash point:	> 300°C
Ignition temperature:	Not available
Vapour pressure at 20°C:	<0.01 hPa
Vapour density:	Not available
Relative density:	Not available
Density at 20°C:	0.92 g/cm <sup>3</sup>
Solubility(ies):	Not available
Solubility water:	Not miscible or slightly miscible.
Partition coefficient n-octanol/water	Not determined.
Decomposition temperature:	Not determined.
Viscosity:	Not available
Kinematic viscosity at 40 °C	52 mm <sup>2</sup> /s
Evaporation number	Not available

### 9.2 Other information

Important health, safety and environmental information

Ignition temperature: The product is not self-igniting.

Explosive properties: The product is not explosive.

Solvent content VOC (EU) 0,00 %

VOC (EU) 0.0 g/l

Change of state Drip point: -27 °C

Pourpoint:

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

Flammable solids Not applicable

Self-reactive substances and mixtures Not applicable

Pyrophoric liquids Not applicable

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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

## ABSCHNITT 10: Stability and reactivity

### 10.1 Reactivity

None

### 10.2 Chemical stability

The product is chemically stable under normal ambient conditions (room temperature).

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

Temperatures above 60°C may reduce the shelf life of the product.

### 10.5 Incompatible materials

No further relevant information available.

### 10.6 Hazardous decomposition products

No dangerous decomposition products known.

## ABSCHNITT 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

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

#### Inhale

Parameter: LD50 / 4h  
Route of exposure: Inhalation  
Species: Rat  
Effective dose: > 1,800 mg/kg

#### Ingestion

Parameter: LD50  
Route of exposure: Oral  
Species: Rat  
Effective dose: > 5,000 mg/kg

#### Skin contact

Parameter: LD50  
Route of exposure: Dermal  
Species: Rabbit

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Effective dose: > 2,000 mg/kg

## **Corrosive/irritant effect on the skin**

Not classified

## **Severe eye damage / irritation**

Not classified

## **Sensitisation of the respiratory tract / skin:**

Not classified

## **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.

## **ABSCHNITT 12: Environmental information**

### **12.1 Toxicity**

#### **Aquatic toxicity:**

The product fulfils the requirements of the European ecolabel "Ecolabel" and the German ecolabel "Blauer Engel".

**CAS: 2082-79-3 Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate :**

LC 50 (96 h): >100 mg/L (Fis)

### **12.2 Persistence and degradability**

The product fulfils the requirements of the European ecolabel "Ecolabel" and the German ecolabel "Blauer Engel".

### **12.3 Bioaccumulative potential**

No further relevant information available.

### **12.4 Mobility in soil**

No further information available.

### **12.5 Result of the PBT and vPvB assessment**

Not applicable.

### **12.6 Endocrine disrupting properties**



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The product does not contain any substances with endocrine-disrupting properties.

## 12.7 Other adverse effects

### General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

## ABSCHNITT 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:

Mus be given special treatment in compliance with official regulations.

Must not be disposed of together with household waste. Do not allow to enter drains.

#### Waste code number:

The waste codes given are recommendations based on the expected use of this product. Due to the specific use and disposal conditions at the user's site, other waste codes may be assigned under certain circumstances. (2014/955/EU).

#### European Waste Catalogue:

13 02 07\* - readily biodegradable machinery, gear and lubricating oils).

#### Uncleaned packaging:

Recommendation: Dispose of in accordance with official regulations.

## ABSCHNITT 14: Transport information

### 14.1 to 14.5

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

### 14.6 Special precautions for the user

There is no information available.

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

Not applicable.

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## ABSCHNITT 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.
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#### Directive 2012/18/EU (Seveso)

Annex I:	None of the substances is included.
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#### National regulations:

##### Water hazard class:

WGK 1 (Self-assessment):	slightly hazardous for water.
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#### 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)

No restrictions.

##### Water hazard class

Class : 1 (slightly hazardous to water) Classification according to AwSV

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

No restrictions.

### 15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out.

## ABSCHNITT 16: Other notes

### 16.1 Notes on changes

None.

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## 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].

No information.

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

No information.

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

No information.

## Note for the reader

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