

# Safety data sheet

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



Trade name: Bio sawing chain lubrication oil 11

Metabo no.: 628441000

Version / Language: 1.2 / EN

Site 1 from 13

Date: 02.10.2024

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

### 1.1 Product identifier

Product form: Mixture  
Trade name: Bio sawing chain lubrication oil 11  
Other designations: none  
Unique Formula Identifier - UFI: no

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

#### Relevant identified uses

Lubricant for commercial and / or industrial use

#### Uses advised against

No further relevant information available

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

Metabowerke GmbH  
Metabo Allee 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

## 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 according to Regulation (EC) No 1272/2008 [GHS].

### 2.2 Labelling elements

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

The product is not classified as hazardous

#### Additional sets, additional labelling

Hazard pictogram/s: not applicable

Signal word: not applicable

Hazard statements: not applicable

Precautionary statements: not applicable

Supplementary hazard information: not applicable

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## 2.3 Other hazards

### Results of the PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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

## SECTION 3: Composition / information on ingredients

### 3.1 Fabrics

Not applicable

### 3.2 Mixtures

#### Hazardous ingredients

Substance name	Product identifier	Concentration [%]	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL, ATE (oral, dermal, inhalation),
Mixture of triglycerides	EINCS : 232-299-0 CAS No. 8002-13-9	≥0-≤2,5%	Substance for which a Community limit value for the Exposure at the workplace applies	-
Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	CAS No.: 2082-79-3 EINCS: 218-216-0 Reg. no.: 01-2119491195-33-0000 01-2119491195-33-0016	≤2,5%	Substance for which a Community limit value for the Exposure at the workplace applies	-

#### Additional hints

The wording of the listed hazard statements can be found in section 16.

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

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

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Change contaminated clothing. If symptoms persist: Consult a doctor.

#### In case of inhalation

Provide fresh air, breathing assistance if necessary, warmth. Consult a doctor if symptoms persist.

#### In case of skin contact

Wash with soap and water. If skin irritation persists, consult a doctor.

#### In case of eye contact

Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist.

#### In case of ingestion

Do not attempt to neutralise. Avoid vomiting. Consult a doctor if symptoms persist

#### Self-protection of the first aider

No further information.

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

#### Signs / symptoms of overexposure

Gastrointestinal complaints

No further relevant information available.

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

#### Notes for the doctor

No further information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing agent

#### Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water spray jet. Fight larger fires with a water spray jet or alcohol-resistant foam.

#### Unsuitable extinguishing agents

Full jet of water

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

#### Hazards arising from the substance or mixture

No further information available.

#### Hazardous combustion products

No further information available.

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## 5.3 Advice for firefighters

Cool endangered containers with water spray from a safe distance. Do not inhale explosion and fire gases. Cool endangered containers with water spray jet.

### Special protective equipment for firefighting

Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

#### Personell not trained for emergencies

Protective equipment:

No further information available.

Emergency plans:

Keep ignition sources away. Ensure adequate ventilation.

#### Emergency personnel

Protective equipment (suitable material): No further information available.

### 6.2 Environmental protection measures

Do not allow to enter the subsoil/soil. Do not allow to enter drains/surface water/groundwater.

### 6.3 Methods and material for retention and cleaning

Retention and waterproofing methods: Absorb with liquid-binding material (san, diatomaceous earth, acid binder, universal binder, sawdust)

Purification process

Dispose of the collected material in accordance with regulations.

Other information:

No further information

### 6.4 Reference to other sections

See section 13 for further information on disposal.

## SECTION 7: Handling and storage

The information in this section contains general advice and instructions

### 7.1 Protective measures for safe handling

#### Measures to prevent fires

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

#### Measures to prevent aerosol and dust formation

No further information available.

#### Measures to protect the environment

No further information available.

#### Advice on general hygiene in the workplace

No further information available.

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

### Technical measures and storage conditions

Storage at 0 to +60°C

### Packaging materials

No further information

### Requirements for storage rooms and containers

For stability reasons, do not store above 50°C.

### Storage instructions:

Store separately from food.

Storage class: 10

Substances to avoid: No further information available

### Further information on storage conditions

No further information available.

## 7.3 Specific end uses

### Recommendations

No further information available.

### Specific solutions for the industrial sector (industry solutions where applicable):

No further information available.

## SECTION 8: Limitation and monitoring of exposure / Personal protective equipment

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

### 8.1 Parameters to be monitored

#### Occupational exposure limit values

**CAS: 8002-13-9**

**Mixture of triglycerides**

AGW: Long-term value:

5 A mg/m<sup>3</sup>

4(II); DFG, Y

**CAS: 2082-79-3**

**Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate**

AGW: Long-term value:

20 E mg/m<sup>3</sup>

4(II); DFG, Y

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**CAS: 9006-04-6**

**Natural rubber**

MAK: see section IV

## DNEL values

**CAS: 2082-79-3**

**Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate**

Oral	DNEL / systematic / long-term	0.64 mg/kg/24h (consumer)
	DermalDNEL / systematic / long-term	1.28 mg/kg/24h (worker)
Inhalative	systematic / long term	0.64 mg/kg/24h (consumer)
	DNEL / systematic / long-term	3.6 mg/m <sup>3</sup> (worker)
	systematic / long-term	0.65 mg/m <sup>3</sup> (consumer)

## PNEC values

**CAS: 2082-79-3**

**Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate**

	PNECWater / Fresh water	0.04 mg/l (aquatic organisms)
PNEC	Water body / seawater	0.004 mg/l (aquatic organisms)
PNEC	Sediment / fresh water	149,000 mg/kg (aquatic organisms)
PNEC	Sediment, seawater	14,900 mg/kg (aquatic organisms)
PNEC	Soil	29,700 mg/kg (Terrestrial organisms)

**Additional information** The lists valid at the time of preparation were used 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 hygiene measures:

The usual precautionary measures for 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 limit values are exceeded: Multipurpose combination filters (US) or filter type ABEK (EN 14387) must be used. Respiratory protective devices and components must be tested and approved in accordance with relevant national standards such as NIOSH (US) or CEN (EU).

#### Hand protection



Recommendation: Chemical-resistant protective gloves (EN 374)

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## Glove material

Nitrile rubber

Chloroprene rubber

The selection of a suitable glove depends not only on the material, but also on other factors. quality features and varies from manufacturer to manufacturer. As the product has a preparation consisting of 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 adhered to.

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

## Limitation and monitoring of environmental exposure

No further information

## SECTION 9: Physical and chemical properties

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

#### Appearance

Physical state:	Liquid
Colour:	Dark yellow
Odour:	Characteristic
Odour threshold:	Not determined
pH value:	Not determined
Melting point / freezing point	<0°C
Initial boiling point and boiling range	Not determined
Flammability	Not applicable
Lower and upper explosion limit	Not determined
Flash point:	>300 °C
Decomposition temperature:	Not determined
Ignition temperature:	Not available
Vapour pressure at 20°C:	<0.01 hPa
Vapour density:	Not determined

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Relative density:	Not determined
Density at 20°C:	0.92 g/cm <sup>3</sup>
Solubility(ies):	Not available
Solubility Water:	Not or only slightly miscible
Partition coefficient n-octanol/water	Not determined
Viscosity:	Not available
Kinematic viscosity at 40 °C	52 mm <sup>2</sup> /s
Evaporation rate	Not available

## 9.2 Other information

Important information on health, environmental protection and safety

Ignition temperature: The product is not self-igniting.

Explosive properties: The product is not explosive.

Solvent content VOC (EU) 0.00 %

Change of state:

Drip point Not determined.

Pour point -27°C

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

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 relevant information available

### 10.2 Chemical stability

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



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## 10.3 Possibility of hazardous reactions

No dangerous reactions known.

## 10.4 Conditions to avoid

Temperatures above 60 °C can lead to a reduced shelf life of the product.

## 10.5 Incompatible materials

No further relevant information available.

## 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes according to Regulation (EC) No 1272/2008

#### Acute toxicity

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

#### LD/LC50 values relevant for classification

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

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4h	>1.800 mg/l (Rat) (OECD-403)

#### Corrosive/irritant effect on the skin

Not classified

#### Serious 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 after single exposure:

Not classified

#### Specific target organ toxicity with repeated exposure

Not classified

#### Aspiration hazard

Not classified

#### Information on other hazards

Endocrine disrupting properties: None of the ingredients are included.

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## SECTION 12: Environmental information

### 12.1 Toxicity

#### Aquatic toxicity

The product fulfils the requirements of the European ecolabel "Ecolabel" and the German "Blue Angel" eco-label

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

LC50 >100 mg/l/96h (fish)

### 12.2 Persistence and degradability

The product fulfils the requirements of the European ecolabel "Ecolabel" and the German ecolabel "Blue Angel"

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Result of PBT and vPvB assessment

Not applicable.

### 12.6 Endocrine disrupting properties

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

### 12.7 Other adverse effects

#### General notes:

Water hazard class 1 (self-classification): slightly hazardous to water

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

## SECTION 13: Handling and storage

### 13.1 Waste treatment processes

#### Recommendation:

Must be subjected to special treatment in compliance with official regulations. Must not be disposed of together with household waste. Do not allow to enter the sewage system.

#### Waste code number:

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

#### European Waste Catalogue:

13 02 07\*readily biodegradable engine, gear and lubricating oils

#### Uncleaned packaging:

Recommendation: Dispose of in accordance with official regulations.

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## SECTION 14: Transport information

### 14.1 UN number or ID number

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

### 14.2 UN proper shipping name

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

### 14.3 Transport hazard classes

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

### 14.4 Packaging group

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

### 14.5 Environmental hazards

#### Labelling environmentally hazardous substances

ADR/RID/IMDG Code No

ICAO-TI/IATA-DGR No

### 14.6 Special precautions for the user

Not applicable

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

Not applicable.

## SECTION 15: Legislation

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

#### Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms: not applicable

Signal word: not applicable

Hazard warnings 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 are included.

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

Annex I: None of the substances is included.

#### EC Regulation (EC) 2019/1148 (Marketing and use of explosives precursors)

Annex I: Restricted starting substances None of the substances are included.

Annex II Reportable starting substances None of the substances is included

#### EC Regulation (EC) No 273/2004 (drug precursors)

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None of the substances are included .

## National regulations:

### Water hazard class:

WGK 1 (self-classification): slightly hazardous to water

## Other EU provisions

### Industrial emissions (integrated pollution prevention and control) - Air

No further information available.

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

No further information available.

### Ozone-depletable substances (1005/2009/EU)

No restrictions.

### Storage class (TRGS 510)

LGK 10

### Prior informed consent (PIC) (649/2012/EU)

No restrictions.

## 15.2 Chemical safety assessment:

A chemical safety assessment was not carried out.

## SECTION 16: Other notes

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 Change notes

None.

### 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

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GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
IATA	Association for international air transport
IMDG	Dangerous goods regulations for international sea transport
PBT	Persistent, bioaccumulative and toxic substance
PNEC	Estimated non-effect concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	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]

Not information.

## Note for the reader

To the best of our knowledge, the information contained herein is correct. However, neither the above-named manufacturer nor its affiliates assume any liability as to the accuracy 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.