

Safety data sheet

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



Trade name: Compressor oil 1 litre, for piston compressors

Metabo no.: 0901004170

Version / Language: 1.2 / EN

Site 1 from 14

Date: 26.09.2024

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

1.1 Product identifier

Product form: Mixture
Trade name: Compressor oil 1 litre, for piston compressors
Other designations: None
Unique Formula Identifier - UFI: None

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 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

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 Labeling elements

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

The product is not classified as hazardous

Additional sentences, additional labeling

Hazard pictogram/s: not applicable

Signal word: not applicable

Hazard statements: not applicable

Precautionary statements: none

Supplementary hazard information: The labeling with EUH 210 may be omitted if the product is also sold to the general public.

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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 labeling, we recommend that you follow the safety advice.

SECTION 3: Composition / information on ingredients


3.1 Fabrics

Not applicable

3.2 Mixtures

Description: Mineral oil-based product with a DMSO extract <3% (IP 346)

Hazardous ingredients

Substance name	Product identifier	Concentration [%]	Classification according to Regulation (EC) No. 1272/2008 [CLP].	SCL, ATE (oral, dermal, inhalation),
Benzenamine, N-phenyl, reaction product with 2,4,4-trimethylpentene	EINECS : 270-128-1 CAS No.68411-46-1 Reg. no. : 01-2119491299-23-xxxx	<1%	 Repr. 2, H361 Aquatic Chronic 3, H412	-

Additional hints

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Change contaminated clothing. If symptoms persist, consult a doctor.

Inhalation

Supply fresh air, consult a doctor in case of complaints.

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. If symptoms persist, consult a doctor.

In case of ingestion

Do not attempt to neutralize. 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

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Gastrointestinal complaints

No further relevant information is available.

4.3 Indications for immediate medical help or special treatment

Notes for the doctor

No further information available

Special treatment

No further information available

SECTION 5: Fire fighting measures

5.1 Extinguishing agent

Suitable extinguishing agents

CO₂, extinguishing powder or water spray. Fight larger fires with water spray 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

Can be released in the event of a fire:

Carbon oxides

Nitrogen oxides (NO_x)

Smoke

Hazardous combustion products

Carbon oxides, nitrogen oxides (NO_x)

5.3 Advice for firefighters

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

Special protective equipment for fire fighting

Wear self-contained breathing apparatus.

Further information: Collect contaminated extinguishing water separately, must not be discharged into the sewage system.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personnel not trained for emergencies

Protective equipment:

No further information.

Emergency plans:

Ensure adequate ventilation. Keep ignition sources away. Particular risk of slipping due to leaked/spilled product

Emergency personnel

Protective equipment (suitable material): No further information.

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 (sand, diatomaceous earth, acid binder, universal binder, sawdust)

Cleaning procedure:

Dispose of the collected material in accordance with regulations.

Other information:

No further information

6.4 Reference to other sections

See section 7 for further information on safe handling.

For further information on personal protective equipment, see section 8

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

No special measures required

Measures to prevent aerosol and dust formation

Avoid aerosol formation. If there is a risk of aerosols being released, the work area must be ventilated.

Measures to protect the environment

No further information

Notes on general hygiene in the workplace

The usual precautionary measures for handling chemicals must be observed

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7.2 Conditions for safe storage, taking into account incompatibilities

Technical measures and storage conditions

Protect from frost. Store in a cool, dry place in tightly closed containers.

Packaging materials

No further information.

Requirements for storage rooms and containers

Store in a cool place

Storage instructions:

Store separately from food

Storage class: 10

Substances to avoid: No further information.

Further information on storage conditions

No further information.

7.3 Specific end uses

Recommendations

No further information available.

Solutions specific to the industrial sector (industry solutions where applicable):

No further information available.

SECTION 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

DNEL values

CAS: 68411-46-1

Benzenamine, N-phenyl, reaction product with 2,4,4-trimethylpentene

Oral	DNEL / systematic / long-term	0.07 mg/kg/24h (consumer)
Dermal	DNEL / systematic / long-term	0.1 mg/kg/24h (worker)
	systematic / long term	0.07 mg/kg/24h (consumer)
Inhalative	DNEL / systematic / long-term	0.5 mg/m ³ (worker)
	systematic / long-term	0.1 mg/m ³ (consumer)

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PNEC values

CAS: 68411-46-1

Benzenamine, N-phenyl, reaction product with 2,4,4-trimethylpentene

PNEC	Water / Fresh water	0.0012 mg/l (aquatic organisms)
PNEC	Waters / seawater	0.00012 mg/l (aquatic organisms)
PNEC	Periodic release	0.51 mg/l (aquatic organisms)
PNE	wastewater treatment plant (STP)	0.187 mg/l (aquatic organisms)
PNEC	Sediment / fresh water	0.0246 mg/kg (aquatic organisms)
PNEC	Sediment, seawater	0.00246 mg/kg (aquatic organisms)
PNEC	Soil	0.0193 mg/kg (Terrestrial organisms)

Additional notes: 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.

Individual protective measures, for example personal protective equipment

General protective and hygienic 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.

Do not inhale gases, vapors, aerosols.

Breathing protection

Not required if room is well ventilated. If the recommended exposure limit values are exceeded:



For short-term or low exposure use breathing filter device; for intensive or prolonged exposure use self-contained breathing apparatus.

Respirator with combination filter (EN 143/ EN 149): Type P2 / FFP2

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)

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.

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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.

Environmental exposure controls

No further information

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance

State of aggregation:	Liquid
Color:	Yellowish
Odor:	Characteristic
Odor threshold:	Not available
pH value:	Not available
Melting point / freezing point	Not available
Initial boiling point and boiling range	Not available
Flammability	Not applicable
Lower and upper explosion limit	Not available
Flash point:	> 220°C
Decomposition temperature:	Not available
Ignition temperature:	Not available
Vapor pressure at 20°C:	<0.1 hPa
Vapor density:	Not available
Relative density:	Not available
Density at 20°C:	0.9 g/cm ³
Solubility(ies):	Not available
Solubility Water:	Not or only slightly miscible.
Partition coefficient n-octanol/water	Not available
Viscosity:	Not available
Kinematic viscosity at 40 °C	100 mm ² /s
Evaporation rate	Not available

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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, but the formation of explosive vapor/air mixtures cannot be excluded when heated above the flash point and/or when atomized
Solvent content VOC (EU)	0.00 % 0.0 g/l
Change of state:	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
Oxidizing 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
Oxidizing liquids	Not applicable
Oxidizing 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).

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.

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10.6 Hazardous decomposition products

Formation of flammable gases/vapors possible on contact with strong oxidizing agents.

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 classification-relevant

CAS: 68411-46-1

Benzenamine, N-phenyl, reaction product with 2,4,4-trimethylpentene

Oral LD50 >5,000 mg/kg (rat) (OECD-401)

Dermal LD50 >2,000 mg/kg (rat) (OECS-402)

Corrosive/irritant effect on the skin

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

Serious eye damage / irritation

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

Sensitization of the respiratory tract / skin:

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity in case of single exposure:

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

Specific target organ toxicity in case of repeated exposure

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

Aspiration hazard

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

Information on other hazards

No further information available.

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SECTION 12: Environmental information

12.1 Toxicity

Aquatic toxicity

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Result of the 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 sewage system.

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:

Must be subjected to special treatment in accordance 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 List:

13 02 05* non-chlorinated mineral-based machine, 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 no dangerous goods in the sense of the transportation regulations.

14.2 Proper UN-shipping name

According to ADR / IMDG / IATA no dangerous goods in the sense of the transportation regulations.

14.3 Transport hazard classes

According to ADR / IMDG / IATA no dangerous goods in the sense of the transportation regulations.

14.4 Packaging group

According to ADR / IMDG / IATA no dangerous goods in the sense of the transportation regulations.

14.5 Environmental hazards

Indicator environmentally hazardous substances

ADR/RID/IMDG Code No

ICAO-TI/IATA-DGR No

14.6 Special precautions for the user

Not applicable

14.7 Transport in bulk by sea in accordance with IMO instruments

Not applicable.

SECTION 15: Legislation

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

Labeling 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 further information.

Appendix XVII: No further information.

Substances of very high concern (SVHC) No further information.

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 (explosives precursors)

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

Annex II Reportable starting substances None of the substances is included

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

None of the substances are included.

National regulations:

Water hazard class:

WGK1 (self-classification): slightly hazardous to water.

Other EU provisions

Industrial emissions (integrated pollution prevention and control) - Air

No further information.

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

No further information.

Ozone-depletable substances (1005/2009/EU)

No further information

Storage class (TRGS 510)

No further information

Water hazard class

Class : 1 Classification according to AwSV

Prior informed consent (PIC, Prior Informed Consent) (649/2012/EU)

No further information

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, labeling and packaging [Regulation (EC) No 1272/2008].
DMEL	Derived exposure level with minimal impairment
DNEL	Derived exposure level without impairment

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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 Research on Cancer
IATA	Association for international air transportation
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
SDS	Safety data sheet
TRGS	Technical rules for hazardous substances
vPvB	Very persistent and very bioaccumulative

16.3 Important literature references and data sources

REACH Regulation (EC) No. 1907/2006, last amended by Regulation (EU) No. 2020/878 of 18. June 2020

CLP Regulation (EC) No. 1272/2008, 18th ATP, Regulation (EU) 2022/692 of February 16, 2022

Internet:

<http://www.baua.de>

<http://www.arbeitssicherheit.de>

<http://www.dguv.de/ifa/de/gestis/stoffdb>

<http://logkow.cisti.nrc.ca>

<https://echa.europa.eu>

Ordinance on Installations for Handling Substances Hazardous to Water (AwSV) dated 21.04.2017 (WGK classification)

REGULATION (EU) 2015/830 of May 28, 2015

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

Not specified.

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

H361 Suspected of damaging fertility or the unborn child damage

H412 Harmful to aquatic life with long lasting effects.

16.6 Full text of the classifications [CLP/GHS]

Not specified.

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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.