

Safety data sheet

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

Trade name: Hydraulic oil 1 L

Metabo no.: 0910011936

Version / Language: 1.2 / EN

Site 1 from 13

Date: 08.10.2024



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

1.1 Product identifier

Product form: Mixture
Trade name: Hydraulic oil 1 L
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. Hydraulic oil

Uses advised against

No further relevant information available.

1.3 Details of the supplier of the safety data sheet.

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Metabo Allee 1
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Web: <https://www.metabo.com>
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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 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 warnings: not applicable

Safety instructions: 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

Mixture of the following substances with non-hazardous additions

Hazardous ingredients

Substance name	Product identifier	Concentration [%]	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL, ATE (oral, dermal, inhalation),
Distillates (petroleum, hydrotreated heavy paraffinic	EINECS: 265-157-1 Index number: 649-467-00-8 Reg. no.: 01-2119471299-27 01-2119484627-25. CAS No. 64742-54-7	50-100%	 Asp. Tox. 1, H304	-

Additional hints

Note L: The classification as a carcinogen is not mandatory if it can be shown that the substance contains less than 3% DMSO extract as measured by method IP 346 ("Determination of polycyclic aromatics in unused lubricating oils and asphalt-free petroleum fractions.dimethyl sulphoxide extraction.calculation index method, Institute of Petroleum, London). This note applies only to certain complex oil derivatives in Part 3. 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

None

Inhalation

Seek medical treatment in case of complaints.

In case of skin contact

Wash with soap and water

In case of eye contact

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

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In case of ingestion

Do not induce vomiting.

No neutralisation attempts

Consult a doctor if symptoms persist.

Self-protection of the first aider

No further information available.

4.2 Most important symptoms and effects, both acute and delayed

Signs / symptoms of overexposure

Gastrointestinal complaints

No further relevant information available.

4.3 Indication for immediate medical help or specialised treatment

Notes for the doctor

No relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing agent

Suitable extinguishing agents

CO₂, 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

Hazardous combustion products

Carbon monoxide (CO)

carbon dioxide

Smoke

5.3 Advice for firefighting

Cool endangered containers with water spray from a safe distance. Do not inhale explosion and fire gases. Collect contaminated extinguishing water separately and do not allow it to enter the sewage system.

Special protective equipment for firefighting

Wear self-contained breathing apparatus

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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 available.

Emergency plans: The usual precautionary measures for handling chemicals must be observed

Emergency personnel

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

6.2 Environmental protection measures

Do not allow to enter the sewage system/surface water/groundwater

6.3 Methods and material for retention and cleaning

Containment and sealing methods: Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust),

Cleaning process: No further information

Other information: No further information

6.4 Reference to other sections

For information on safe handling see section 7.

For information on personal protective equipment, see section 8.

For information on disposal, see section 13 Further information on disposal, see section 13.

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

No further information available.

Measures to protect the environment

No further information available.

Advice on general hygiene in the workplace

The usual precautionary measures for handling chemicals must be observed.

7.2 Conditions for safe storage, taking into account incompatibilities

Technical measures and storage conditions

No further information available.

Packaging materials

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Store only in the original container

Requirements for storage rooms and containers

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

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: Exposure controls / 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 limits

DNEL values

CAS: 64742-54-7

Distillates (petroleum), hydrotreated heavy paraffinic

Inhalative	DNEL / local / long-term	5.4 mg/m ³ (worker)
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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

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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.

Do not inhale dust/fume/mist.

Breathing protection

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)

Glove material

Nitrile rubber

Chloroprene rubber

Recommended material thickness: ≥ 0.4 mm

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 ≥ 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:

Protective work clothing

Non-slip shoes recommended.

Environmental exposure controls

No further information

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SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance

State of aggregation:	Liquid
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Not available
pH value:	Not available
Melting point / freezing point	Not available
Initial boiling point and boiling range	Not available
Flammability	Not available
Lower and upper explosion limit	
Lower0	.9 Vol %
Upper	7 Vol %
Flash point:	Not available
Decomposition temperature:	Not available
Ignition temperature:	Not available
Vapour pressure at 20°C:	<0.13 hPa
Vapour density:	Not available
Relative density:	Not available
Density at 20°C:	0.86 g/cm ³
Solubility(ies):	Not available
Solubility Water:	Not available
Partition coefficient n-octanol/water	Not available
Viscosity:	Not available
Kinematic viscosity at 40 °C	22 mm ² /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, but the formation of explosive vapour/air mixtures cannot be excluded when heated above the flash point and / or when atomised

Solvent contentVOC (EU) 0.00 %
0.00 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

Oxidising gases Not applicable

Gases under pressure not applicable

Flammable liquids Not applicable

Flammable solids Not applicable

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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

No decomposition when used as intended.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Avoid naked flames. No further relevant information available.

10.5 Incompatible materials

No further information

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.

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

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Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity from single exposure:

Not classified

Specific target organ toxicity with repeated exposure

Not classified

Aspiration hazard

Not classified

Information on other hazards

No further information available.

Endocrine disrupting properties

None of the ingredients are included.

SECTION 12: Environmental information

12.1 Toxicity

Aquatic toxicity

CAS: ...

LC50 >100 mg/l/4d (Pimephales promelas (fathead minnow))

EC50 >100 mg/l/72h (Desmodesmus subspicatus (green alga))

EC50 >10 mg/l/21d (Daphnia galeata (water flea))

EC50 >10,000 mg/l/48h (Daphnia galeata (water flea))

EL50>100 mg/L/48h (Pseudokirchneriella subcapitata (Algae)) (OECD-201)

>10,000 mg/L/48h (Daphnia magna (Large water flea)) (OECD-202)

NOEL 10 mg/L/21d (Daphnia magna (Large water flea))

NOEC>10 mg/L/21d (Daphnia galeata (water flea))

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 PBT and vPvB assessment

Not applicable.

12.6 Endocrine disrupting properties

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

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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.

Waste code number:

No further relevant information.

European Waste Catalogue:

13 01 10* non-chlorinated hydraulic oils based on mineral oil

Uncleaned packaging:

Recommendation: Dispose of in accordance with official regulations.

SECTION 14: Transport details

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 Proper UN 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

Indicator of 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.

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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 (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)

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 further information available.

Storage class (TRGS 510)

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

No further information available.

15.2 Chemical safety assessment:

A chemical safety assessment was not carried out.

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SECTION 16: Other notes

The information is based on our current state of knowledge, but does not constitute a guarantee 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 of Regulation (EC) No. 1272/2008.

16.1 Notes on changes

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
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

Not specified.

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

No details.

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

H304 May be fatal if swallowed and enters airways.

16.6 Full text of the classifications [CLP/GHS]

Not specified.

Note for the reader

To the best of our knowledge, the information contained herein is correct. However, neither the manufacturer named above nor its subsidiaries assume any liability with respect to the accuracy or completeness of the information provided. 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. Although certain risks are described herein, we cannot guarantee that these are the only possible risks.