

Safety data sheet

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

Trade name: Special oil 0.5 litres for pneumatic tools

Metabo no.: 0901008540

Version / Language: 1.2 / EN

Site 1 from 12

Date: 19.03.2023



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

1.1 Product identifier

Product form: Mixture
Trade name: Special oil 0.5 litres for pneumatic tools
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, hydraulic oil

Uses advised against

No further information available

1.3 Details of the supplier providing the safety data sheet.

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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].

Other information

Full text of codes, hazard statements and EU hazard statements in SECTION 16.

2.2 Labeling elements

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

Not applicable

Additional sentences, additional labeling

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Not applicable

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

The mixture of substances not subject to labeling according to CLP and/or substances subject to labeling with a content below the consideration limit according to CLP.

Hazardous ingredients

Not applicable

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

None

In case of inhalation

Fresh air intake, consult a doctor in case of complaints

In case of skin contact

Wash off immediately with soap and water and rinse thoroughly. 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

After ingestion

Do not induce 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.

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4.3 Information on immediate medical assistance or special treatment

Notes for the doctor

No 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

No further information available.

Hazardous combustion products

No further information available.

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

Wear self-contained breathing apparatus.

SECTION 6: Measures in the event of accidental release

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.

Emergency personnel

Protective equipment (appropriate material):

No further information.

6.2 Environmental protection measures

Do not allow to enter drains/surface water/ground water.

6.3 Methods and material for retention and cleaning

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Retention and waterproofing methods: Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust). Dispose of the absorbed material in accordance with regulations.

Purification process: No further information

Other information: No further information

6.4 Reference to other sections

No hazardous substances are released.

See section 7 for information on safe handling.

For information on personal protective equipment, see section 8.

For 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

Measures to prevent fires

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

Measures to prevent aerosol and dust formation

No further information

Measures to protect the environment

Keep container tightly closed.

Notes on general hygiene in the workplace

No further information.

7.2 Conditions for safe storage, taking into account incompatibilities

Technical measures and storage conditions

No relevant information.

Packaging materials

No relevant information.

Requirements for storage rooms and containers

Store in a cool place.

Storage instructions: Store separately from foodstuffs.

Storage class: 10

Substances to avoid: No further relevant information.

Further information on storage conditions

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7.3 Specific end uses

Recommendations

No further information.

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

No further information.

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 releases to the environment.

8.1 Parameters to be monitored

Occupational exposure limit values

No further relevant information

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, see section 7.

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.

Breathing protection

Recommendation for inadequate ventilation and extensive use: Multi-purpose combination filters (US) or filter type ABEK (EN 14387) should be used. Respiratory protective devices and components must be tested and approved in accordance with relevant national standards such as NIOHS (US) or CEN (EU).

Hand protection



Recommendation: Chemical-resistant protective gloves (EN 374)

Glove material

Nitrile rubber

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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.

Environmental exposure controls

No further information.

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance

Physical state:	Liquid
Color:	Yellow
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:	>200 °C
Decomposition temperature:	Not available
Ignition temperature:	Not available
Vapor pressure at 20°C:	Not available
Vapor density:	Not available
Relative density:	Not available
Density at 20°C:	0.87 g/cm ³
Solubility(ies):	Not or only slightly miscible

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Solubility Water:	Not available
Partition coefficient n-octanol/water	Not available
Viscosity:	Not available
Kinematic viscosity at 40 °C	46 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 vapor/air mixtures cannot be excluded when heated above the flash point and/or when atomized.

Solvent content VOC (EU) 0.00 %

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

No decomposition when used as intended.

10.3 Possibility of hazardous reactions

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No dangerous reactions known.

10.4 Conditions to avoid

Avoid naked flames.

10.5 Incompatible materials

No further information available.

10.6 Hazardous decomposition products

Flammable gases/vapors

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

No information available.

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 after single exposure:

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

Specific target organ toxicity with 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 the sewage system.

SECTION 13: Handling and storage

13.1 Waste treatment process

Recommendation:

Must be subjected to special treatment in compliance with official regulations.

Waste code number:

No further information.

European Waste Catalogue:

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

Uncleaned packaging:

Recommendation: Packaging that cannot be cleaned should be disposed of in the same way as the substance.

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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 of environmentally hazardous substances

ADR/RID/IMGD 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

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 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.
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Directive 2012/18/EU (Seveso)

Annex I:	None of the substances is included.
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EC Regulation (EU) 2019/1148 (explosives precursors)

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

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

No restrictions.

Ozone-depleting substances (1005/2009/EU)

No restrictions.

Storage class (TRGS 510)

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Water hazard class

Class: 1 Classification according to AwSV

Prior informed consent (PIC, Prior Informed Consent) (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 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, labeling and packaging [Regulation (EC) No 1272/2008].
DMEL	Derived exposure level with minimal impairment

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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 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

Not specified.

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)

Not specified.

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 accurate. 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.