

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.06.2018

Version number 5

Revision: 12.06.2018

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

1.1 Product identifier

Metabo Item no. 0901004170 - Compressor Oil 1 L

Article number: 00000000

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

No further relevant information available.

Application of the substance / the mixture

Lubricant for Industrial use

Compressor lubricant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Company: Metabowerke GmbH

Metabo-Allee-1 – DE-72622 Nürtingen

Phone: 0049 / (0) 7022 / 72-0 Fax: 0049 / (0) 7022 / 72 2714

1.4 Emergency telephone number:

For NHS professionals only: +44 (0) 344 892 0111

In England and Wales: Call NHS 111 - dial 111 or a doctor

In Scotland: Call NHS 24 - dial 111

In N Ireland: Contact your local GP or pharmacist during normal hours; visit www.gpoutofhours.hscni.net/ for GP services Out-of-Hours.

In Republic of Ireland: 01 809 2166

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified, according to the CLP regulation.

2.2 Label elements

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

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

CAS No. Description

Destillate (Erdöl), mit Wasserstoff behandelte schwere, naphthenhaltige

3.2 Chemical characterisation: Mixtures

Description: Product based on mineral oil with a DMSO extract <3% (IP 346).

Dangerous components: Void

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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

* SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Remove contaminated clothing.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
No neutralization attempt.
Do not induce vomiting.
- **4.2 Most important symptoms and effects, both acute and delayed** Gastric or intestinal disorders
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
oxides of carbon
Nitrogen oxides (NO_x)
Smoke
- **5.3 Advice for firefighters**
Cool endangered containers with water spray from a safe distance.
Do not inhale explosion and combustion gases.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources.
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
Do not allow to penetrate the ground/soil.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Prevent formation of aerosols.
If there is the possibility of the release of aerosols, a ventilation of the working area is provided.
The usual precautionary measures when handling chemicals should be observed.
Take measures and recommendations in section 8.2
- **Information about fire - and explosion protection:**
Vapors are heavier than air. Explosive vapor - / air - mixtures may be formed avoid rake at high temperatures.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidising agents.
- **Further information about storage conditions:**
Protect from frost.
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 10
- **7.3 Specific end use(s)** See product information sheet !

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**
Contains mineral oil. Under conditions where oil mist can form, the following limits apply:
U.S. OSHA PEL 5 mg/m³
ACGIH STEL 10 mg/m³
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale mist / aerosols / smoke.
- **Respiratory protection:**
Not necessary if room is well-ventilated.
Exceeding the recommended exposure limits:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Respiratory protective device with combination filter (EN143 / EN 149): Typ P2 / FFP2
Respirators and components must be tested and approved under appropriate government standards such as NIOSH. (U.S.) or CEN (EU).
- **Protection of hands:**



Recommendation: Chemical resistant protective gloves (EN 374)

- **Material of gloves**
Nitrile rubber, NBR
Chloroprene rubber, CR

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Recommended thickness of the material: ≥ 0.4 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

Value for the permeation: Level 6 = >480 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Supplementary note: The specifications are based on own tests, literature data and information of glove manufacturers, or is derived by analogy with similar substances. It should be noted, that the practical usage of a chemical-protective glove can in practice due to many influencing factors (eg temperature) may be considerably shorter than the permeation time determined through testing. Due to the large variety of the instructions of the manufacturer must be observed.

· **Eye protection:**



Use safety glasses according to EN 166 : 2001.

· **Body protection:**

Impervious protective clothing

Non-slip shoes recommended

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
· Form:	Fluid
· Colour:	Yellowish
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	Undetermined.
· Flash point:	228 °C
· Flammability (solid, gas):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	The product is not explosive, however, the formation of explosive vapor / air mixtures on heating above the flash point and / or nebulization can not be ruled out.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapour pressure at 20 °C:	<0.1 hPa
· Density at 20 °C:	0.9 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

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· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 40 °C:	100 mm ² /s
· Solvent content:	
VOC (EC)	0.00 %
VOC (EU)	0.0 g/l
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Reacts with strong oxidants and strong reducing agents under severe heat.
- **10.2 Chemical stability**
The product is chemically stable under normal ambient conditions (room temperature).
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Temperatures above 60 ° C can lead to reduced shelf life of the product.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Emergence of flammable gases / vapors on contact with strong oxidizing agent' s possible.

* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Prolonged or repeated skin contact, such as by using contaminated clothing, may cause dermatitis.
- **Serious eye damage/irritation** May cause slight irritation to the eyes.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

* SECTION 12: Ecological 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.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Waste disposal key:

The waste disposal keys mentioned show recommendations based on the intended use of this product.

Due to the special use and disposal conditions of the user, other waste codes can also be assigned.

(2014/955/EU)

· European waste catalogue	
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils

· Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

* SECTION 14: Transport information

· 14.1 UN-Number	
· ADR, ADN, IMDG, IATA	Void

· 14.2 UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void

· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	Void
· Class	Void

· 14.4 Packing group	
· ADR, IMDG, IATA	Void

· 14.5 Environmental hazards:	
· Marine pollutant:	No

· 14.6 Special precautions for user	Not applicable.
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· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
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· UN "Model Regulation":	Void
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* SECTION 15: Regulatory information

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

· **Labelling according to Regulation (EC) No 1272/2008** Void· **Hazard pictograms** Void· **Signal word** Void· **Hazard statements** Void· **Directive 2012/18/EU**· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Department of product safety

· **Contact:** Dr. John, Mail: sds@kajo.de

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

· **Sources**

Regulations:

REACH Regulation (EC) No 1907/2006 as last amended by Regulation (EU) No 2018/35

Regulation (EC) No 1272/2008, as last amended by Regulation (EC) No 2016/1179

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 facilities for the handling of water-endangering substances of 21.04.2017 (WGK classification)

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

· * **Data compared to the previous version altered.**