

# Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH)  
Date of issue: 18.12.2024      Supersedes edition of: 11.12.2023



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

### 1.1 Product identifier

Product name:            ALSIROL Rotation Joint Grease

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

Identified uses: Laboratory chemical

Uses advised against: Valves for oxygen cylinders must not be lubricated.

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

Company:                J. P. Pöllath e.K.  
Labor-Technologie  
Eschlestr. 17  
D-88348 Bad Saulgau  
Tel. +49 7581 - 92 90 68 8  
service@poellath-labor.de

### 1.4 Emergency telephone number

GIZ Nord Poisons Centre, Göttingen Tel. +49 (0) 551 19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

This mixture is not classified as dangerous according to European Union legislation.

### 2.2 Label elements

*Labelling (Regulation (EC) No. 1272/2008)*

This product does not need to be labelled in accordance with EC regulation or respective national laws.

### 2.3 Other hazards

No substances are included that meet the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII.

No substances are included that have been identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

It does not contain substances included in the list established in accordance with Article 59(1) for other reasons.

## SECTION 3: Composition / information on ingredients

Hydrogenated hydrocarbons with the addition of soap-based long-chain fatty acids.

### 3.2 Mixtures

*Hazardous components (Regulation (EC) No. 1272/2008)*

None.

*Non-hazardous components (Regulation (EC) No. 1272/2008)*

<i>Chemical name</i>				<i>Content</i>
<i>CAS-No.</i>	<i>EC-No.</i>	<i>EC-Index-No.</i>	<i>Classification</i>	
White mineral oil (petroleum)				87 %
8042-47-5	232-455-8			

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

After inhalation: Fresh air. Call in physician if feeling unwell.

After skin contact: Wipe with a clean dry cloth. Remove contaminated clothing. Consult a physician if skin irritations occur.

After eye contact: Dab with clean dry cloth. Call in ophthalmologist if eye irritations occur.

After swallowing: Make victim drink water (two glasses at most), avoid vomiting. Call in physician if feeling unwell.

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

Swallowing large amounts can lead to nausea, vomiting, diarrhea.

**4.3 Indication of any immediate medical attention and special treatment needed**

No information available.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

*Suitable extinguishing media*

Carbon dioxide, foam, dry powder.

*Unsuitable extinguishing media*

Water.

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

Combustible. Development of hazardous combustion gases or vapours possible in the event of fire: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO). Vapours are heavier than air.

**5.3 Advice for firefighters**

*Special protective equipment for firefighters*

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

*Further information*

Prevent fire-fighting water from entering surface water or groundwater.

## SECTION 6: Accidental release measures

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

Caution: Risk of slipping. Keep away from sources of ignition, no smoking.

### 6.2 Environmental precautions

Avoid release to the environment. Do not get into sewerage system.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Clean up affected area.

### 6.4 Reference to other sections

Indications about waste treatment see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### *Notes for safe handling*

Avoid contact with skin and eyes. Do not inhale vapours/aerosols. Avoid generation of vapours/aerosols.

#### *Notes for prevention of fire and explosion*

Keep away from oxidizing and fire-intensifying substances.

### 7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature. Tightly closed in a well-ventilated place. Keep away from sun and heat.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### *White mineral oil (petroleum) (Germany)*

TRGS 900 AGW

Name	White mineral oil (petroleum)
Value	5 mg/m <sup>3</sup> alveolar fraction
Peak limit	Over-the-top factor: 4(II)
Teratogenic effects	Y: Substances for which a risk of teratogenic effects need not be feared if the occupational exposure limit values (AGW) and the biological limit value (BGW) are observed.

### 8.2 Exposure controls

#### *Individual protection measures*

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

**Eye / face protection:**

Eye protection (EN 166) recommended.

**Hand protection:**

Material: Latex.

Thickness: 0.2 mm

Breakthrough time: > 480 min

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374.

**Respiratory protection:**

Required when vapours/aerosols are generated. Filter A2 P2 (EN 14387).

*Hygiene measures*

Change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

a) Physical state	solid, pasty
b) Colour	creamy white
c) Odour	almost odourless
d) Melting point/freezing point	not specified
e) Boiling point or initial boiling point and boiling range	not specified
f) Flammability	not specified
g) Lower explosion limit	not specified
Upper explosion limit	not specified
h) Flash point	270 °C      DIN ISO 2592
i) Auto-ignition temperature	not specified
j) Decomposition temperature	360 °C
k) pH	not applicable
l) Kinematic viscosity	not specified
m) Solubility	in water: almost immiscible
n) Partition coefficient n-octanol/water (log value)	not specified
o) Vapour pressure (20 °C)	< 10 <sup>-5</sup> mbar
p) Density and/or relative density (20 °C)	0.93 g/cm <sup>3</sup> OECD 109

q) Relative vapour density	not specified
r) Particle characteristics	not applicable
s) Dropping point	197 °C
t) Pourpoint	-30 °C      DIN ISO 3016

## 9.2 Other information

None.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous chemical reactions are expected on intended use and storage.  
Valves for oxygen cylinders must not be lubricated.

### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

No dangerous chemical reactions are expected on intended use.

### 10.4 Conditions to avoid

Heat, open flames and other sources of ignition.

### 10.5 Incompatible materials

Oxidizing and fire-intensifying substances.

### 10.6 Hazardous decomposition products

No information available. See section 5.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### *Acute oral toxicity*

LD<sub>50</sub> rat: > 5000 mg/kg (ECHA; White mineral oil (petroleum))

#### *Acute dermal toxicity*

LD<sub>50</sub> rat: > 2000 mg/kg (ECHA; White mineral oil (petroleum))

#### *Acute inhalation toxicity*

LC<sub>50</sub> rat: > 5 mg/l /4 h aerosol (ECHA; White mineral oil (petroleum))

#### *Skin irritation*

Rabbit: No irritation (ECHA; White mineral oil (petroleum)).

With sensitive skin, slight irritation possible after repeated exposure.

*Eye irritation*

Rabbit: No irritation (ECHA; White mineral oil (petroleum)).

*Sensitisation*

Buehler test (guinea pig): Negative (ECHA; White mineral oil (petroleum)).

*Genotoxicity in vivo*

Mutagenicity (mammalian erythrocyte micronucleus test): Negative (ECHA; White mineral oil (petroleum)).

*Genotoxicity in vitro*

Mutagenicity (mammalian chromosome aberration test): Negative (ECHA; White mineral oil (petroleum)).

*Reproductive toxicity*

No impairment of reproductive performance in animal experiments (ECHA; White mineral oil (petroleum)).

*Teratogenicity*

Did not show teratogenic effects in animal experiments (ECHA; White mineral oil (petroleum)).

*Specific target organ toxicity – single exposure*

The substance or mixture is not classified as specific target organ toxicant, single exposure.

*Specific target organ toxicity – repeated exposure*

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

*Aspiration hazard*

No aspiration toxicity classification.

**11.2 Information on other hazards**

Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

**SECTION 12: Ecological information**

**12.1 Toxicity**

*Toxicity to fish*

Leuciscus idus LC<sub>50</sub>: > 1000 mg/l /96 h (ECHA; White mineral oil (petroleum))

*Toxicity to daphnia and other aquatic invertebrates*

Daphnia magna: EC<sub>50</sub>: > 100 mg/l /48 h (ECHA; White mineral oil (petroleum))

*Toxicity to algae*

Pseudokirchneriella subcapitata: ErC<sub>5</sub>: > 100 mg/l /72 h (ECHA; White mineral oil (petroleum))

**12.2 Persistence and degradability**

*Biodegradability*

Biodegradation: 31.3 % /28 d (ECHA; White mineral oil (petroleum)).

Not readily biodegradable (external MSDS; White mineral oil (petroleum)).

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

### 12.6 Endocrine disrupting properties

No substances are included that meet the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII.

No substances are included that have been identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

It does not contain substances included in the list established in accordance with Article 59(1) for other reasons.

### 12.7 Other adverse effects

No adverse effects known.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

*Product:*

Chemicals must be disposed of in compliance with the respective national regulations.

Code of the waste  
16 05 09

Name according to directive 2000/532/EC:  
discarded chemicals other than those mentioned in 16 05 06,  
16 05 07 or 16 05 08.

*Packaging:*

Product packaging must be disposed of in compliance with the country-specific regulations or must be to a packaging return system.

## SECTION 14: Transport information

### 14.1. UN number or ID number

Not subject to transport regulations.

### 14.2. UN proper shipping name

**ADR / RID:**

Not subject to transport regulations.

**IMDG-Code / ICAO-TI / IATA-DGR:**

Not subject to transport regulations.

### 14.3. Transport hazard class(es)

**ADR / RID / IMDG-Code / ICAO-TI / IATA-DGR:**

Not subject to transport regulations.

**14.4. Packing group**

Not subject to transport regulations.

**14.5. Environmental hazards**

Not subject to transport regulations.

**14.6. Special precautions for user**

Not relevant.

**14.7. Maritime transport in bulk according to IMO instruments**

Not relevant.

**SECTION 15: Regulatory information**

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

No information available.

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out.

**SECTION 16: Other information**

*Reason for alteration:*

SECTION 6: Accidental release measures

SECTION 7: Handling and storage

*The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.*