

Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH)
Date of issue: 21.10.2022 Supersedes edition of: 22.11.2021



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> | | | | Content |
|-------------------------------|---------------|---------------------|-----------------------|---------|
| <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 (CO₂); 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.

Do not inhale vapours/aerosols. Avoid substance contact. Use personal protective equipment as required, see section 8.2. Ensure supply of fresh air in enclosed rooms. In case of inadequate ventilation wear respiratory protection. 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

Ensure adequate ventilation. 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 ³ 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

| | | |
|------------------------|-------------------------|----------------|
| Form: | pasty | |
| Colour: | creamy white | |
| Odour: | almost odourless | |
| pH value | not applicable | |
| Thermal decomposition | 360 °C | |
| Dropping point | 197 °C | |
| Pourpoint | -30 °C | DIN ISO 3016 |
| Ignition temperature | not specified | |
| Flash point | 270 °C | DIN ISO 2592 |
| Explosion limits | lower | not applicable |
| | upper | not applicable |
| Density (20 °C) | 0.93 g/cm ³ | OECD 109 |
| Vapor pressure (20 °C) | < 10 ⁻⁵ mbar | |
| Solubility in water | almost immiscible | |

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

LD₅₀ rat: > 5000 mg/kg (ECHA; White mineral oil (petroleum))

Acute dermal toxicity

LD₅₀ rat: > 2000 mg/kg (ECHA; White mineral oil (petroleum))

Acute inhalation toxicity

LC₅₀ 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 LC₅₀: > 1000 mg/l /96 h (ECHA; White mineral oil (petroleum))

Toxicity to daphnia and other aquatic invertebrates

Daphnia magna: EC₅₀: > 100 mg/l /48 h (ECHA; White mineral oil (petroleum))

Toxicity to algae

Pseudokirchneriella subcapitata: ErC₅: > 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:

General update.

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

SECTION 12: Ecological information

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.