

# Safety Data Sheet: KaWeS und Alsirol

In accordance with regulation 1907/EC/2006, Article 31



## SECTION 1: Identification

### 1.1 Product identifier

Material names: **KaWeS** Joint Grease  
**Alsirol** Rotation Joint Grease

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

**Product use:** Lab chemical. Sealing and lubricating grease for high vacuum applications.

**Uses advised against:** Do not use with strong oxydizers or to lubricate valves for oxygen cylinders.

### 1.3 Details of the supplier of the substance or mixture:

**Company:**

Pöllath Labor Technologie  
Im Bauernfeld 33  
96049 Bamberg  
Germany

Tel. +49 (0) 951 29969 39  
Fax +49 (0) 951 29969-36  
[service@poellath-labor.de](mailto:service@poellath-labor.de)

### 1.4 Emergency Telephone:

Germany +49 (0) 6131 1924-0  
State of Bavaria +49 (0) 89 19240  
Austria: +43 (0) 1406 4343

## SECTION 2: Hazards Identification

This product is not classified as hazardous and this document has been compiled for information purposes, in accordance with regulation 1907/EC/2006, Annex II, as amended by Regulation (EU) No. 453/2010 and OSHA hazard communication guidelines.

### 2.1 Classification of the substance or mixture:

Regulation (EC) No 1272/2008 (CLP): Not classified

### 2.2 Label elements:

Regulation (EC) No 1272/2008 (CLP): No symbol or signal word

### 2.3 Other hazards: None

## SECTION 3: Composition/Information on Ingredients

### 3.1 Chemical Characteristic: Substance

CAS-Nr.: Not a hazardous material

**Composition:**

**KaWeS:** Hardened hydrocarbons with added asbestos free mineral powder and long-chain fatty acids on soap basis.

**Alsirol:** Hardened hydrocarbons with added long-chain fatty acids on soap basis.

### 3.2 Mixture:

**Composition / Components:** The product does not contain any components that are to be disclosed according to regulation 1907/EC/2006 (REACH) Annex II. The product also does not contain any components listed on the „Candidate List of Substances of very High Concern (SVHC) for authorization“ of the European Chemical Agency.

## SECTION 4: First Aid Measures

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## 4.1 Description of first aid measures:

**General:** No special measures required.

**Inhalation:** None envisaged due to low vapour pressure of the substance. If irritation, consult medical professional.

**Skin contact:** Wash with soap and water.

**Eye contact:** Remove contact lenses. Irrigate with copious amounts of water.

**Ingestion:** Do not induce vomiting. Obtain medical attention.

**4.2 Most important symptoms and effects, both acute and delayed:** Ingestion of large quantities can lead to nausea, vomiting and diarrhea.

**4.3 Indication of any immediate medical attention and special treatment needed:** No special treatment required.

## SECTION 5: Fire Fighting Measures

**5.1 Extinguishing media:** Carbon dioxide, dry powder, foam or water fog. Do not use water jets.

**5.2 Special hazards arising from the substance or mixture:** Flammable. If ignited, dangerous gases may be released: carbon dioxide (CO<sub>2</sub>) and carbon monoxide (CO).

**5.3 Advice for firefighters:** Use protective clothing. Avoid groundwater infiltration by extinguishing media.

## SECTION 6: Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Avoid skin contact, eye contact, and inhalation. Keep enclosed spaces ventilated. Keep sources of ignition away. Spilled product can constitute a slipping hazard.

**6.2 Environmental precautions:** Prevent septic, sewer, and groundwater infiltration.

**6.3 Methods and material for containment and cleaning up:** Can be wiped from surfaces and residues cleaned with water and detergent. Dispose waste according to local regulations.

## SECTION 7: Handling and Storage

**7.1 Precautions for safe handling:** No special precautions required. Keep enclosed spaces well ventilated.

**7.2 Conditions for safe storage:** No special precautions required. Store at room temperature separately from strong oxidizers.

**7.3 Specific end use(s):** No special precautions required.

## SECTION 8: Exposure Controls/Personal Protection

**8.1 Control parameters:** No relevant control parameters.

**8.2 Exposure controls:** The level of controls depends on the use. In most cases only small quantities of material are used. Eye washes should be available for emergency use.

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**Respiratory protection:** None required with normal use.

**Hand protection:** Wash hands after use. Use latex gloves for prolonged or repeated skin contact.

**Eye protection:** Use customary laboratory safety goggles.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties:

**Appearance:** Semi-solid yellow grease

**Odor:** Mild

**Safety-relevant properties:**\_\_

<u>PARAMETER</u>	<u>VALUE</u>	<u>METHOD</u>
pH	-	not applicable
Melting point:	> 200 °C	OECD 102
Pourpoint	- 9 °C	ISO 3016
Flash point:	260 °C	ISO 2592
Vapour pressure (20 °C):	<10 <sup>-5</sup> mbar	-
Density (20 °C):	0.93g/cm <sup>3</sup>	OECD 109
Water solubility (20 °C):	practically insoluble	-
Explosive properties:	data not available	-
Decomposition temperature:	data not available	-

### 9.2 Other information: Not applicable.

## SECTION 10: Stability and Reactivity

**10.1 Reactivity:** Stable under normal conditions of use. Reacts with strong oxidizers.

**10.2 Chemical stability:** Stable under normal conditions of use.

**10.3 Possibility of hazardous reactions:** Data not available.

**10.4 Conditions to avoid:** Temperatures >120 degrees Celsius, open flame, other sources of ignition.

**10.5 Incompatible Materials:** Strong oxidizing agents.

**10.6 Hazardous decomposition products:** None.

## SECTION 11: Toxicological Information

**11.1 Information on toxicological effects:** No data is available regarding toxicity of this product. The toxicological information is based on the toxicological data of similar products and its individual components.

**Likely routes of exposure:** Skin and eyes are the most likely routes for exposure. Accidental ingestion may occur. Inhalation is not expected to be a relevant route of exposure.

**Acute oral toxicity:** Low toxicity: LD50 < 2.000 mg/kg.

**Acute dermal toxicity:** Expected to be of low toxicity: LD50 < 2.000 mg/kg.

**Acute inhalation toxicity:** Low volatility makes inhalation unlikely.

**Skin corrosion/irritation:** Repeated and prolonged skin contact may cause dry skin or irritation.

**Eye corrosion/irritation:** May cause temporary irritation.

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**Respiratory or skin sensitization:** Not expected to be a skin sensitizer.  
**Aspiration hazard:** Not considered an aspiration hazard.  
**Carcinogenicity/mutagenicity:** Not considered a mutagenic hazard or carcinogen.  
Note that the classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen. This product is not considered to be a carcinogen by IARD, ACGIH, NTP or OSHA.

## SECTION 12: Ecological Information

When used and/or disposed of as indicated, no adverse environmental effects are foreseen. Ecotoxicological effects based on knowledge of similar substances.

- 12.1 **Toxicity:** Expected to be practically non-toxic.
- 12.2 **Persistence and degradability:** Inherently biodegradable.
- 12.3 **Bioaccumulative potential:** Has the potential to bioaccumulate.
- 12.4 **Mobility in soil:** Low mobility in soil.
- 12.5 **Results of PBT and vPvB assessment:** The product does not meet the criteria for toxicity requiring further assessment. It is not considered PBT or vPvB.
- 12.6 **Other adverse effects:** Non envisaged.

## SECTION 13: Disposal Considerations

- 13.1 **Waste treatment methods:**  
Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated.

## SECTION 14: Transport Information

Not classified as hazardous under air (ICAO/IATA), sea (IMDG), road (ADR) or rail (RID) regulations.

- 14.1 **UN number:** Not relevant.
- 14.2 **UN proper shipping name:** Not relevant.
- 14.3 **Transport hazard class:** Not relevant.
- 14.4 **Packing group:** Not relevant.
- 14.5 **Environmental hazards:** Not relevant
- 14.6 **Special precautions for user:** Not relevant

## SECTION 15: Regulatory Information

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

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Product is not subject to authorisation under REACH. All constituent substances in this product are not subject to TSCA.

**15.2 Chemical safety assessment:** A chemical safety assessment has not been performed for this substance.

### **SECTION 16: Other information**

The information provided in this Safety Data Sheet is correct to our best knowledge, information and belief at the date of its publication. It is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product. Any statement cannot be transferred to another product.