



# SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

## 1 PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Product name: RENOLIT JP 1619

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

Identified uses: Lubricating grease

Uses advised against: No uses advised against identified.

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

#### Manufacturer

Fuchs Schmierstoffe GmbH  
Friesenheimer Str. 19  
68169 Mannheim

Telephone: +49 621 3701-0 (ZENTRALE)  
Fax: +49 621 3701-570

#### Contact Person:

Fuchs Schmierstoffe GmbH Abteilung Produktsicherheit  
Telephone: +49 621 3701-1333  
Fax: +49 621 3701-7303  
E-mail: PRODUKTSICHERHEIT@FUCHS-SCHMIERSTOFFE.DE

1.4 US contact telephone : 708-333-8900  
Emergency telephone: 800-255-3924

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification according to Regulation (EC) No 1272/2008 as amended.

#### Environmental Hazards

Chronic hazards to the aquatic environment Category 2 H411: Toxic to aquatic life with long lasting effects.

#### Hazard summary

Physical Hazards: No data available.

Product name: RENOLIT JP 1619

## 2.2 Label Elements



**Hazard Statement(s):** H411: Toxic to aquatic life with long lasting effects.

### Precautionary Statement

**Prevention:** P273: Avoid release to the environment.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.  
The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

## 2.3 Other hazards:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

**General information:** Lubricating grease: Thickener system and additives in synthetic base oil.

Chemical name	Concentration *	Identifier	REACH Registration No.	Notes
Alkyl benzol, low viscosity	50.00 - <100.00%	84961-70-6	01-2119485843-26	
Oleic acid derivative	0.10 - <1.00%	110-25-8	01-2119488991-20	
Heterocyclic N-compound	0.25 - <1.00%	95-38-5	01-2119777867-13	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

### Classification

Chemical name	Classification	
Alkyl benzol, low viscosity	CLP:	Asp. Tox. 1; H304
Oleic acid derivative	CLP:	Eye Dam. 1; H318, Aquatic Acute 1; H400, Skin Irrit. 2; H315
Heterocyclic N-compound	CLP:	Skin Corr. 1B; H314, STOT RE 2; H373, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

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## 4 FIRST AID MEASURES

**General:** Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

### 4.1 Description of first aid measures

**Inhalation:** Supply fresh air; consult doctor in case of symptoms.

**Eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids.

**Skin Contact:** Wash with soap and water. The product is not skin irritating.

**Ingestion:** Rinse mouth thoroughly.

**4.2 Most important symptoms and effects, both acute and delayed:** May cause skin and eye irritation.

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

**Hazards:** No data available.

**Treatment:** Get medical attention if symptoms occur.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

**Unsuitable extinguishing media:** Water with a full water jet.

**5.2 Special hazards arising from the substance or mixture:** During fire, gases hazardous to health may be formed.

### 5.3 Advice for firefighters

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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## SECTION 6: Accidental release measures

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| <b>6.1 Personal precautions, protective equipment and emergency procedures:</b> | Not required.  |
| <b>6.2 Environmental Precautions:</b>   | Avoid release to the environment. Prevent further leakage or spillage if safe to do so.  |
| <b>6.3 Methods and material for containment and cleaning up:</b>                | Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations.                                      |
| <b>6.4 Reference to other sections:</b>   | See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal. |

## SECTION 7: Handling and storage:

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| <b>7.1 Precautions for safe handling:</b>                                | Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. |
| <b>7.2 Conditions for safe storage, including any incompatibilities:</b> | Local regulations concerning handling and storage of waterpolluting products have to be followed.  |
| <b>7.3 Specific end use(s):</b>  | not applicable   |

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1.Exposure Limits

None of the components have assigned exposure limits.

### 8.2.Exposure controls

#### Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

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<b>General information:</b>	Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.
<b>Eye/face protection:</b>	Safety glasses (EN 166) recommended during refilling.
<b>Skin protection</b>	
<b>Hand Protection:</b>	Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>Other:</b>	Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.
<b>Respiratory Protection:</b>	Not relevant, due to the form of the product.
<b>Thermal hazards:</b>	No data available.
<b>Hygiene measures:</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
<b>Environmental Controls:</b>	No data available.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	solid
<b>Form:</b>	Paste
<b>Color:</b>	Yellow
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	not applicable
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	not applicable
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%)-:</b>	No data available.
<b>Flammability Limit - Lower (%)-:</b>	No data available.

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<b>Vapor pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	0.95 g/ml (25.00 °C)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>NLGI:</b>	1
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.
<b>9.2 Other information</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical Stability:</b>	No data available.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal conditions.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11 TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Oral

##### Product:

Not classified for acute toxicity based on available data.

##### Specified substance(s)

Alkyl benzol, low viscosity	LD 50 (Rat): > 2,001 mg/kg
Oleic acid derivative	LD 50 (Rat): 9,200 mg/kg
Heterocyclic N-compound	LD 50 (Rat): 1,265 mg/kg

#### Dermal

##### Product:

Not classified for acute toxicity based on available data.

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**Product name:** RENOLIT JP 1619

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**Specified substance(s)**

Alkyl benzol, low viscosity	LD 50 (Rat): > 3,600 mg/kg
Oleic acid derivative	No data available.
Heterocyclic N-compound	No data available.

**Inhalation**

**Product:** ATEmix: 274 mg/l  
Dusts, mists and fumes

**Specified substance(s)**

Alkyl benzol, low viscosity	No data available.
Oleic acid derivative	LC 50 (Rat, 4 h): 1.37 mg/l Dusts, mists and fumes
Heterocyclic N-compound	No data available.

**Inhalation:** No data available.

**Ingestion:** No data available.

**Skin Corrosion/Irritation:** No data available.

**Serious Eye Damage/Eye Irritation:** No data available.

**Respiratory sensitizer/Skin sensitizer:** No data available.

**Carcinogenicity:** No data available.

**Mutagenesis:** No data available.

**Reproductive toxicity:** No data available.

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**12 ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Alkyl benzol, low viscosity	LC 50 (Fish, 96 h): > 10,000 mg/l
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Oleic acid derivative LC 50 (Fish, 96 h): 3.2 - 4.6 mg/l  
Heterocyclic N-compound LC 50 (Fish, 96 h): 0.3 mg/l

#### **Aquatic Invertebrates**

**Product:** No data available.

#### **Specified substance(s)**

Alkyl benzol, low viscosity No data available.  
Oleic acid derivative EC 50 (Water Flea, 48 h): 0.53 mg/l  
Heterocyclic N-compound EC 50 (Water Flea, 48 h): 0.136 mg/l  
LC 50 (Water Flea, 24 h): 0.37 mg/l

#### **Chronic Toxicity**

##### **Fish**

**Product:** No data available.

#### **Specified substance(s)**

Alkyl benzol, low viscosity No data available.  
Oleic acid derivative No data available.  
Heterocyclic N-compound No data available.

#### **Aquatic Invertebrates**

**Product:** No data available.

#### **Specified substance(s)**

Alkyl benzol, low viscosity No data available.  
Oleic acid derivative No data available.  
Heterocyclic N-compound No data available.

#### **Toxicity to Aquatic Plants**

**Product:** No data available.

#### **Specified substance(s)**

Alkyl benzol, low viscosity No data available.  
Oleic acid derivative EC 50 (Alga, 72 h): 5.1 mg/l  
Heterocyclic N-compound EC 50 (Alga, 72 h): 0.03 mg/l

### **12.2 Persistence and Degradability**

#### **Biodegradation**

**Product:** No data available.

#### **Specified substance(s)**

Alkyl benzol, low viscosity No data available.  
Oleic acid derivative No data available.  
Heterocyclic N-compound No data available.

### **12.3 Bioaccumulative Potential**

**Product:** No data available.

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**Specified substance(s)**

Alkyl benzol, low viscosity No data available.  
Oleic acid derivative No data available.  
Heterocyclic N-compound No data available.

**12.4 Mobility in Soil:** No data available.

**Known or predicted distribution to environmental compartments**

Alkyl benzol, low viscosity No data available.  
Oleic acid derivative No data available.  
Heterocyclic N-compound No data available.

**12.5 Results of PBT and vPvB assessment:** No data available.

Alkyl benzol, low viscosity No data available.  
Oleic acid derivative No data available.  
Heterocyclic N-compound No data available.

**12.6 Other Adverse Effects:** Toxic to aquatic life with long lasting effects.

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**13 Disposal considerations**

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**13.1 Waste treatment methods**

**General information:** Dispose in accordance with all applicable regulations.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

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**14 TRANSPORT INFORMATION**

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**IMDG - International Maritime Dangerous Goods Code**

14.1 UN Number: UN 3077  
14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S.(Imidazoline derivative)  
14.3 Transport Hazard Class(es): 9  
14.4 Subsidiary risk label: –  
14.5 Packing Group: III  
14.6 Label(s): 9  
14.7 Marine Pollutant: Marine pollutant  
14.8 EmS No.: F-A; S-F



**Product name:** RENOLIT JP 1619

#### IATA

14.1 UN Number: UN 3077  
14.2 Proper Shipping Name: Environmentally hazardous substance, solid,  
n.o.s.(Imidazoline derivative)  
14.3 Transport Hazard Class(es): 9  
14.4 Subsidiary risk label: –  
14.5 Packing Group: III  
14.6 Label(s): 9MI

### 15 REGULATORY INFORMATION

#### US Federal Regulations

##### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

##### SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

##### SARA 311/312 Hazardous Chemical:

None present or none present in regulated quantities.

##### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

#### Inventory Status

TSCA	On or in compliance with the inventory
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### 16 OTHER INFORMATION

**Revision Information:** Vertical lines in the margin indicate an amendment.

#### Wording of the R-phrases and H-statements in section 2 and 3

H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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**Other information:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

**Revision Date:**

31.08.2015

**Disclaimer:**

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.