



SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: RENOLIT EPLITH 00 FS 18 KG

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

US Distributor

Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426

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 3

H412: Harmful to aquatic life with long lasting effects.

Hazard summary

Physical Hazards:

No data available.

Product name: RENOLIT EPLITH 00 FS 18 KG

2.2 Label Elements

Hazard Statement(s): H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement

Prevention: P273: Avoid release to the environment.

Supplemental label information

EUH208: Contains amine phosphate, thiadiazole derivative. May produce an allergic reaction.

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 solvent refined mineral oil.

Chemical name	Concentration *	Identifier	REACH Registration No.	Notes
amine phosphate	1.00 - <2.50%			
Alkylen amine	0.25 - <1.00%	112-90-3		
thiadiazole derivative	0.10 - <1.00%	939-460-0		
phenolic antioxidant	0.10 - <0.25%	128-37-0	01-2119565113-46	

* 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
amine phosphate	CLP: Eye Dam. 1; H318, Skin Sens. 1; H317, Aquatic Chronic 2; H411
Alkylen amine	CLP: Asp. Tox. 1; H304, STOT RE 2; H373, Skin Corr. 1B; H314, Eye Dam. 1; H318, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, STOT SE 3; H335
thiadiazole derivative	CLP: Eye Dam. 1; H318, Flam. Liq. 3; H226, Skin Sens. 1B; H317, Skin Irrit. 2; H315, Aquatic Chronic 3; H412
phenolic antioxidant	CLP: Aquatic Acute 1; H400, Aquatic Chronic 1; H410

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

Product name: RENOLIT EPLITH 00 FS 18 KG

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: CO₂, 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.

Product name: RENOLIT EPLITH 00 FS 18 KG

SECTION 6: Accidental release measures

- | | |
|---|---|
| 6.1 Personal precautions, protective equipment and emergency procedures: | Not required. |
| 6.2 Environmental Precautions: | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. |
| 6.3 Methods and material for containment and cleaning up: | Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations. |
| 6.4 Reference to other sections: | 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:

- | | |
|--|--|
| 7.1 Precautions for safe handling: | 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. |
| 7.2 Conditions for safe storage, including any incompatibilities: | Local regulations concerning handling and storage of waterpolluting products have to be followed. |
| 7.3 Specific end use(s): | not applicable |

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1.Exposure Limits

8.2.Exposure controls

- | | |
|--|---|
| Appropriate engineering controls: | Good general ventilation (typically 10 air changes per hour) should be used. 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

Product name: RENOLIT EPLITH 00 FS 18 KG

General information:	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.
Eye/face protection:	Safety glasses (EN 166) recommended during refilling.
Skin protection	
Hand Protection:	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.
Other:	Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.
Respiratory Protection:	Not relevant, due to the form of the product.
Thermal hazards:	No data available.
Hygiene measures:	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.
Environmental Controls:	No data available.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Paste
Color:	Brown
Odor:	Characteristic
Odor Threshold:	No data available.
pH:	not applicable
Melting Point:	> 150 °C
Boiling Point:	not applicable
Flash Point:	> 240 °C not applicable
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)—:	No data available.
Flammability Limit - Lower (%)—:	No data available.

Product name: RENOLIT EPLITH 00 FS 18 KG

Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	0.90 g/cm ³ (25 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
NLGI:	00
Explosive properties:	No data available.
Oxidizing properties:	No data available.
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

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

11 TOXICOLOGICAL INFORMATION

Acute toxicity

Oral

Product:	ATEmix: 32,448.79 mg/kg
Specified substance(s)	
amine phosphate	LD 50 (Rat): 2,000 mg/kg
Alkylen amine	LD 50 (Rat): 1,689 mg/kg
thiadiazole derivative	No data available.
phenolic antioxidant	LD 50 (Rat): 2,930 mg/kg (OECD 401)

Dermal

Product:	Not classified for acute toxicity based on available data.
-----------------	--

Product name: RENOLIT EPLITH 00 FS 18 KG

Specified substance(s)

amine phosphate	No data available.
Alkylen amine	No data available.
thiadiazole derivative	No data available.
phenolic antioxidant	LD 50 (Rat): > 5,000 mg/kg (OECD 402)

Inhalation

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

amine phosphate	No data available.
Alkylen amine	No data available.
thiadiazole derivative	No data available.
phenolic antioxidant	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.

The following components have been identified as sensitizers

Name
amine phosphate
thiadiazole derivative

Carcinogenicity: No data available.

Mutagenesis: No data available.

Reproductive toxicity: No data available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity

Product name: RENOLIT EPLITH 00 FS 18 KG

Fish

Product: No data available.

Specified substance(s)

amine phosphate	LC 50 (Fish, 96 h): 24 mg/l
Alkylen amine	LC 50 (Fish, 96 h): > 0.11 - 1 mg/l
thiadiazole derivative	No data available.
phenolic antioxidant	LC 50 (Fish, 96 h): > 0.57 mg/l (OECD 203)

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

amine phosphate	EC 50 (Water Flea, 48 h): 91.4 mg/l
Alkylen amine	EC 50 (Water Flea, 48 h): > 0.11 - 1 mg/l
thiadiazole derivative	No data available.
phenolic antioxidant	EC 50 (Water Flea, 48 h): > 0.17 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

amine phosphate	No data available.
Alkylen amine	No data available.
thiadiazole derivative	No data available.
phenolic antioxidant	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

amine phosphate	No data available.
Alkylen amine	No data available.
thiadiazole derivative	No data available.
phenolic antioxidant	NOEC (Water Flea, 21 d): > 0.39 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

amine phosphate	No data available.
Alkylen amine	No data available.
thiadiazole derivative	No data available.
phenolic antioxidant	EC 50 (Alga, 72 h): > 0.42 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Product name: RENOLIT EPLITH 00 FS 18 KG

Specified substance(s)

amine phosphate	No data available.
Alkylen amine	No data available.
thiadiazole derivative	No data available.
phenolic antioxidant	30 %

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

amine phosphate	No data available.
Alkylen amine	No data available.
thiadiazole derivative	No data available.
phenolic antioxidant	May be accumulated in organism

12.4 Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

amine phosphate	No data available.
Alkylen amine	No data available.
thiadiazole derivative	No data available.
phenolic antioxidant	No data available.

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

amine phosphate	No data available.
Alkylen amine	No data available.
thiadiazole derivative	No data available.
phenolic antioxidant	No data available.

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

13 Disposal considerations

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.

14 TRANSPORT INFORMATION

DOT

Not regulated.



Product name: RENOLIT EPLITH 00 FS 18 KG

IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

Not regulated.

15 REGULATORY INFORMATION

US Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely Hazardous Substance

SARA 304 Emergency Release Notification

SARA 311/312 Hazardous Chemical:

SARA 313 (TRI Reporting)

Inventory Status

DSL	y
TSCA	y
NDSL	Not in compliance with the inventory.

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

H226	Flammable liquid and vapor.
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.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
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.
H412	Harmful to aquatic life with long lasting effects.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



Product name: RENOLIT EPLITH 00 FS 18 KG

Training information: Follow training instructions when handling this material.

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: 23.02.2016

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.