SAFETY DATA SHEET
acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier
Product name: RENOLIT ST-EPS 1

Other means of identification: For further information, please refer to section 9 of the SDS.

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

US Distributor: Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426

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

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product has not been classified as hazardous and does not need to be labelled according to the legislation in force.

Hazard summary
Physical Hazards: No data available.

2.2 Label Elements not applicable
Product name: RENOLIT ST-EPS 1

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.

Unknown toxicity: Due to information available product does not contain any ingredients of unknown toxicity.

3 COMPOSITION / INFORMATION ON INGREDIENTS

General information: Lubricating grease: Thickener system and additives in synthetic base oil. The components are not hazardous or are below required disclosure limits.

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: 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.
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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.

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. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up:
Scrape up spillage or absorb with absorbing material. 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 None of the components have assigned exposure limits.

8.2.Exposure controls

Appropriate engineering controls: No data available.

Individual protection measures, such as personal protective equipment

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: Material: 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 breakthrough 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
**Product name:** RENOLIT ST-EPS 1

- **Color:** White
- **Odor:** Characteristic
- **Odor Threshold:** Not applicable for mixtures
- **pH:** not applicable
- **Melting Point:** Not applicable for mixtures
- **Boiling Point:** not applicable
- **Flash Point:** not applicable
- **Evaporation Rate:** Not applicable for mixtures
- **Flammability (solid, gas):** Value not relevant for classification
- **Flammability Limit - Upper (%)--:** Not applicable for mixtures
- **Flammability Limit - Lower (%)--:** Not applicable for mixtures
- **Vapor pressure:** Not applicable for mixtures
- **Vapor density (air=1):** Not applicable for mixtures
- **Density:** 1.20 g/ml (25.00 °C)
- **Solubility(ies):**
  - **Solubility in Water:** Insoluble in water
  - **Solubility (other):** No data available.
- **Partition coefficient (n-octanol/water):** Not applicable for mixtures
- **Autoignition Temperature:** Value not relevant for classification
- **Decomposition Temperature:** Value not relevant for classification
- **NLGI:** 0-1
- **Explosive properties:** Value not relevant for classification
- **Oxidizing properties:** Value not relevant for classification
- **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

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Acute toxicity

Oral

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

Dermal

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

Inhalation

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

Skin Corrosion/Irritation:

Product: Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation:

Product: Based on available data, the classification criteria are not met.

Respiratory or Skin Sensitization:

Product: Skin sensitizer: Based on available data, the classification criteria are not met.
          Respiratory sensitizer: Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity

Product: Based on available data, the classification criteria are not met.

Carcinogenicity
Product name: RENOLIT ST-EPS 1

Product: Based on available data, the classification criteria are not met.

IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

NTP: US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

No carcinogenic components identified

Reproductive toxicity
Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure
Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure
Product: Based on available data, the classification criteria are not met.

Aspiration Hazard
Product: Based on available data, the classification criteria are not met.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity
Product: Based on available data, the classification criteria are not met.

Chronic Toxicity Product: Based on available data, the classification criteria are not met.

12.2 Persistence and Degradability

Biodegradation
Product: Not applicable for mixtures

12.3 Bioaccumulative Potential
Product: Not applicable for mixtures

12.4 Mobility in Soil:
Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:
The product does not contain any substances fulfilling the PBT/vPvB criteria.
Product name: RENOLIT ST-EPS 1

12.6 Other Adverse Effects: No data available.

13 Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

14 TRANSPORT INFORMATION

DOT
Not regulated.

IMDG - International Maritime Dangerous Goods Code
Not regulated.

IATA
Not regulated.

15 REGULATORY INFORMATION

US Federal Regulations

Inventory Status

TSCA On or 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

none

Training information: Follow training instructions when handling this material.

Revision Date: 20.05.2016
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.