



SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product name: RENOLIT LX-PEP 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.

Details of the supplier of the safety data sheet

Manufacturer

Fuchs Europe Schmierstoffe GmbH
Friesenheimer Str. 19
68169 Mannheim

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800-255-3924

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

The product has not been classified as hazardous, but needs to be labelled according to the legislation in force.

Hazard summary

Physical 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.

Health hazards

Inhalation:

No data available.

Eye contact:

No data available.

Skin contact:

No data available.

Ingestion:

No data available.

Other Health Effects:

No data available.



Product name: RENOLIT LX-PEP 2

Environmental hazards: This product is water polluting.

Label elements

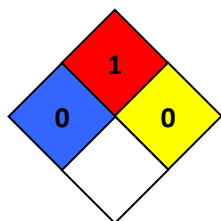
Safety data sheet available for professional user on request.

Other hazards: No data available.
HMIS Hazard ID

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION	

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect

NFPA Hazard ID



Flammability
Health
Reactivity
Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

3 COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

General information: Lubricating grease: Thickener system and additives in solvent refined mineral oil.

Chemical name	Concentration *	Identifier	Notes
ZnDTP	≥ 1.00 - $< 2.40\%$	85940-28-9	

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

This substance has workplace exposure limit(s).

Classification

Chemical name	Classification
ZnDTP	CLP: None

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

4 FIRST AID MEASURES

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



Product name: RENOLIT LX-PEP 2

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.

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

Indication of any immediate medical attention and special treatment needed

- Hazards:** No data available.
- Treatment:** Get medical attention if symptoms occur.

5 FIRE-FIGHTING MEASURES

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

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

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.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Not required.

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.

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.



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Reference to other sections: See Section 8 of the MSDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

7 HANDLING AND STORAGE

Precautions for safe handling: Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Local regulations concerning handling and storage of waterpolluting products have to be followed.

Specific end use(s): Not available.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical name	Type	Exposure Limit values	Source
Base oil, low viscous - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (02 2012)
Base oil, low viscous	PEL	500 ppm 2,000 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Base oil, low viscous - Mist.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Base oil, low viscous	TWA	400 ppm 1,600 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Base oil, low viscous - Mist.	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Thickener compound for lithium greases - Inhalable fraction.	STEL	6 mg/m3	US. ACGIH Threshold Limit Values (02 2012)
Thickener compound for lithium greases - Inhalable fraction.	TWA	2 mg/m3	US. ACGIH Threshold Limit Values (02 2012)

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: Wear goggles/face shield.



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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:

In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. Avoid breathing vapour/ aerosol.

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

Appearance

Physical State:

Solid

Form:

Paste

Color:

Green

Odor:

Characteristic

Odor Threshold:

No data available.

pH:

Not applicable

Melting Point:

No data available.

Boiling Point:

Not applicable

Flash Point:

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.

Vapor pressure:

No data available.

Vapor density (air=1):

No data available.

Density:

0.9000 g/cm³ (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.



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NLGI:	2
Flow time	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

10 STABILITY AND REACTIVITY

Reactivity:	Stable under normal temperature conditions and recommended use.
Chemical stability:	No data available.
Possibility of hazardous reactions:	None under normal conditions.
Conditions to avoid:	Avoid heat or contamination.
Incompatible materials:	Strong oxidizing substances. Strong acids. Strong bases.
Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11 TOXICOLOGICAL INFORMATION

Specified substance(s):

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.

12 ECOLOGICAL INFORMATION



Product name: RENOLIT LX-PEP 2

Ecotoxicity:

Specified substance(s):

Acute toxicity(Fish):

Name
ZnDTP

Test results

LC 50 (Fish, 96 h): 5 mg/l

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility: No data available.

13 DISPOSAL CONSIDERATIONS

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.

Measures for Avoidance and Recovery: Dispose in accordance with all applicable regulations.

14 TRANSPORT INFORMATION

DOT

Not regulated.

IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

Not regulated.

15 REGULATORY INFORMATION

US federal regulations

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

CERCLA Hazardous Substance List (40 CFR 302.4):

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

Not listed.

SARA 302 Extremely hazardous substance

SARA 304 Emergency release notification

SARA 311/312 Hazardous chemical:



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SARA 313 (TRI reporting)

Other federal regulations

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

US state regulations

US. California Proposition 65

US. New Jersey Worker and Community Right-to-Know Act

US. Massachusetts RTK - Substance List

US. Pennsylvania RTK - Hazardous Substances

US. Rhode Island RTK

Inventory Status

DSL	On or in compliance with the inventory
TSCA	On or in compliance with the inventory

16 OTHER INFORMATION

Revision Information:

Revision date: 07.07.2014

SDS No.:

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.