

SAFETY DATA SHEET

According to GB/T 16483; GB/T 17519 as amended

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: RENOLIT LX P LT

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 / Supplier	FUCHS LUBRICANTS GERMANY GmbH Friesenheimer Str. 19 68169 Mannheim
Telephone:	+49 621 3701-0 (ZENTRALE)
Fax:	+49 621 3701-570

Contact for request of safety data sheets

E-mail:	Automotive lubricants	CS.Services-FLG@fuchs.com
	Industrial lubricants	
Telephone:	+49 621 3701-0 (ZENTRALE)	

Informing department for safety data sheets

E-mail: produktsicherheit-FLG@fuchs.com

Product name: RENOLIT LX P LT

1.4 Emergency telephone number: +49 621 3701-0 (Mo - Fr 08:00 - 16:00 Uhr)

SECTION 2: Hazards identification
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Emergency Overview

Form: Paste
Color: Yellow
Odor: Characteristic

May cause an allergic skin reaction.

Stable under normal use conditions.

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

Health Hazards

Skin sensitizer Category 1

Hazard summary

Physical Hazards: No data available.

Product name: RENOLIT LX P LT

2.2 Label Elements



Signal Words: Warning

Hazard Statement(s): H317: May cause an allergic skin reaction.

Precautionary Statements

Prevention: P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Lubricating grease: Thickener system and additives in synthetic base oil.
Mixture of the substances listed below with harmless additions.

Chemical name	CAS:	Concentration *	Notes
Organic polysulphide	Confidential	1.00 - <5.00%	
Amine aromatic , alkylated	Confidential	0.10 - <1.00%	

Product name: RENOLIT LX P LT

* 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
Organic polysulphide	Skin Sens. 1B;H317, Skin Irrit. 3;H316
Amine aromatic , alkylated	, Aquatic Acute 3;H402, Aquatic Chronic 3;H412, Eye Irrit. 3;H316, Repr. 2;H361f

In this SDS " , " (comma) is used as thousands separator and " . "(point) as decimal separator.

SECTION 4: First aid measures

General: Be aware of own risk during rescue!
Observe good industrial hygiene practices.
Instantly remove any clothing soiled by the product.

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: Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: Suspected to cause hypersensitivity and allergy.

Product name: RENOLIT LX P LT

4.3 Indication of any immediate medical attention and special treatment needed Symptoms may be delayed.

Notes to the physician Symptomatic and supportive treatment.

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: Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

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

Product name: RENOLIT LX P LT

SECTION 6: Accidental release measures

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|---|--|
| 6.1 Personal precautions, protective equipment and emergency procedures: | In case of spills, beware of slippery floors and surfaces. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. |
| 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. Stop the flow of material, if this is without risk. |
| 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:

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| 7.1 Precautions for safe handling: | Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. 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 |

Product name: RENOLIT LX P LT

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational 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 (PPE)

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:

Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Product name: RENOLIT LX P LT

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).

Min. Breakthrough time: ≥ 480 min

Recommended thickness of the material: ≥ 0.38 mm

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:

Not known.

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:

solid

Form:

Paste

Color:

Yellow

Odor:

Characteristic

Product name: RENOLIT LX P LT

Odor Threshold:	Not applicable for mixtures
pH:	substance/mixture is non-soluble (in water)
Drop Point:	Not applicable for mixtures
Boiling Point:	Value not relevant for classification
Flash Point:	Not applicable
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Explosion Limit - Upper (%):	Not applicable for mixtures
Explosion Limit - Lower (%):	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Density:	0.90 g/cm ³ (20 °C)
Solubility(ies)	
Solubility in Water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Auto-ignition temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
NLGI:	0
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 use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.

Product name: RENOLIT LX P LT

- 10.3 Possibility of hazardous reactions:** Stable under normal use conditions.
- 10.4 Conditions to avoid:** Stable under normal use conditions.
- 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.

SECTION 11: Toxicological information

Information on likely routes of exposure

- Inhalation:** No data available.
- Ingestion:** No data available.
- Skin Contact:** May cause an allergic skin reaction.
- Eye contact:** No data available.

11.1 Information on toxicological effects

Acute toxicity

Oral

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

Specified substance(s)

- Amine aromatic , LD 50 (Rat): > 5,000 mg/kg (OECD 401)
alkylated

Product name: RENOLIT LX P LT

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.

Specified substance(s)

Amine aromatic ,
alkylated

OECD 405 (Rabbit):
Not irritant.

Respiratory or Skin Sensitization:

Product:

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

Specified substance(s)

Organic polysulphide

May cause sensitization by skin contact.

Amine aromatic ,
alkylated

No sensitizing effect (guinea pig); OECD 406

Germ Cell Mutagenicity

Product:

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

Carcinogenicity

Product name: RENOLIT LX P LT

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

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.

Other adverse effects: No data available.

SECTION 12: Ecological information

General information: Not applicable

12.1 Toxicity

Acute toxicity

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

Fish

Specified substance(s)

Organic polysulphide LC 50 (Fish, 96 h): > 100 mg/l (OECD 203)

Amine aromatic , LC 50 (Fish, 96 h): > 100 mg/l (OECD 203)
alkylated

Product name: RENOLIT LX P LT

Aquatic Invertebrates

Specified substance(s)

Amine aromatic , EC 50 (Daphnia magna): 51 mg/l (OECD 202)
alkylated

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

Toxicity to Aquatic Plants

Specified substance(s)

Amine aromatic , EC 50 (72 h): > 100 mg/l (OECD 201)
alkylated

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

Specified substance(s)

Amine aromatic , Not readily degradable.
alkylated

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.

12.6 Other adverse effects: No data available.

Product name: RENOLIT LX P LT

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:	Dispose in accordance with all applicable regulations.
Disposal methods:	<p>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.</p> <p>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.</p>

SECTION 14: Transport information

ADR/RID

14.1 UN number or ID number:	–
14.2 UN Proper Shipping Name:	–
14.3 Transport Hazard Class(es)	
Class:	Non-dangerous goods
Label(s):	–
Hazard No. (ADR):	–
Tunnel restriction code:	–
14.4 Packing Group:	–
14.5 Environmental hazards:	–
14.6 Special precautions for user:	–

Product name: RENOLIT LX P LT

ADN

- 14.1 UN number or ID number: –
- 14.2 UN Proper Shipping Name: –
- 14.3 Transport Hazard Class(es)
 - Class: Non-dangerous goods
 - Label(s): –
- 14.3 Packing Group: –
- 14.5 Environmental hazards: –
- 14.6 Special precautions for user: –

IMDG

- 14.1 UN number or ID number: –
- 14.2 UN Proper Shipping Name: –
- 14.3 Transport Hazard Class(es)
 - Class: Non-dangerous goods
 - Label(s): –
 - EmS No.: –
- 14.3 Packing Group: –
- 14.5 Environmental hazards: –
- 14.6 Special precautions for user: –

IATA

- 14.1 UN number or ID number: –
- 14.2 Proper Shipping Name: –
- 14.3 Transport Hazard Class(es):
 - Class: Non-dangerous goods
 - Label(s): –
- 14.4 Packing Group: –
- 14.5 Environmental hazards: –
- 14.6 Special precautions for user: –

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

Product name: RENOLIT LX P LT

SECTION 15: Regulatory information

Inventory Status

IECSC	On or in compliance with the inventory
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Decree No. 591 of the State Council of the People's Republic of China: Regulations on the Control over Safety of Hazardous Chemicals

GB 6944: Classification and code of dangerous goods

GB 12268: List of dangerous goods

GB 190: Packing symbol of dangerous goods

GB 13690: General rule for Classification and hazard communication of chemicals

GB 30000.(2-29): Rules for classification and labelling of chemicals - Part 2-29

GB 15258-2009: General Rules for Preparation of precautionary label for chemicals

GBZ 2.1: Occupational exposure limits for hazardous agents in the workplace

Law of the People's Republic of China on Prevention and Control of Occupational Diseases

SECTION 16: Other information

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

Wording of the H-statements in section 2 and 3

H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H361f	Suspected of damaging fertility.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Revision Date: 05.05.2025

Product name: RENOLIT LX P LT

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.

Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed

Product name: RENOLIT LX P LT

(Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative