

# Renolit LX P LT

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Issue date: 14/07/2025

Revision date: 14/07/2025

:

Version: 1.0

### SECTION 1: Identification

#### 1.1. GHS Product identifier

|              |                 |
|--------------|-----------------|
| Product form | Mixture         |
| Trade name   | Renolit LX P LT |
| Product code | BU ET&A         |

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

|                              |                           |
|------------------------------|---------------------------|
| Use of the substance/mixture | Lubricant                 |
| Restrictions on use          | For professional use only |

#### 1.4. Supplier's details

##### Supplier

FUCHS LUBRICANTS GERMANY GmbH  
Friesenheimer Str. 19  
68169 Mannheim  
Germany  
T +49 621 3701-0  
[produktsicherheit-FLG@fuchs.com](mailto:produktsicherheit-FLG@fuchs.com)

##### Department issuing data specification sheet

Hilti AG  
Feldkircherstraße 100  
FL 9494 Schaan  
Liechtenstein  
T +423 234 2111  
[product.compliance-power.tools@hilti.com](mailto:product.compliance-power.tools@hilti.com)

#### 1.5. Emergency phone number

|                  |                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------|
| Emergency number | Emergency CONTACT (24-Hour-Number):<br>GBK GmbH Global Regulatory Compliance<br>+49 (0)6132-84463 |
|------------------|---------------------------------------------------------------------------------------------------|

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification according to the United Nations GHS

|                                                                 |                                      |                    |
|-----------------------------------------------------------------|--------------------------------------|--------------------|
| Skin sensitisation, Category 1                                  | H317                                 | Calculation method |
| Full text of H-statements: see section 16                       |                                      |                    |
| Adverse physicochemical, human health and environmental effects | May cause an allergic skin reaction. |                    |

#### 2.2. GHS Label elements, including precautionary statements

##### Labelling according to the United Nations GHS

Hazard pictograms (GHS UN)



Signal word (GHS UN)

Hazardous ingredients

Hazard statements (GHS UN)

Precautionary statements (GHS UN)

Warning

organic polysulphide

H317 - May cause an allergic skin reaction

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

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

#### 2.3. Other hazards which do not result in classification

No additional information available

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                                                                  | Product identifier  | %       | Classification according to the United Nations GHS                                                                                                                                       |
|-----------------------------------------------------------------------|---------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organic polysulphide                                                  | CAS-No.: 68425-15-0 | 1 – 5   | Flammable liquids Not classified<br>Skin sensitisation, category 1B, H317                                                                                                                |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | CAS-No.: 68411-46-1 | 0.1 – 1 | Reproductive toxicity, Category 2, H361<br>Hazardous to the aquatic environment – Acute Hazard Not classified<br>Hazardous to the aquatic environment – Chronic Hazard, Category 3, H412 |

Full text of H-statements: see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of necessary first-aid measures

|                                       |                                                                                                                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | Take off immediately all contaminated clothing.                                                                                                                                                  |
| First-aid measures after inhalation   | Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. If experiencing respiratory symptoms: Call a poison center or a doctor.               |
| First-aid measures after skin contact | Take off immediately all contaminated clothing and wash it before reuse. Wash skin with mild soap and water. If skin irritation or rash occurs: Get medical advice/attention.                    |
| First-aid measures after eye contact  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion    | Rinse mouth. Do NOT induce vomiting. Get medical advice/attention.                                                                                                                               |

#### 4.2. Most important symptoms/effects, acute and delayed

|                                                     |                                                                   |
|-----------------------------------------------------|-------------------------------------------------------------------|
| Symptoms/effects                                    | Symptoms may be delayed.                                          |
| Symptoms/effects after skin contact                 | May cause an allergic skin reaction.                              |
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

|                                |                                                                  |
|--------------------------------|------------------------------------------------------------------|
| Suitable extinguishing media   | Carbon dioxide. Dry powder. Alcohol-resistant foam. Water spray. |
| Unsuitable extinguishing media | Do not use a heavy water stream.                                 |

#### 5.2. Specific hazards arising from the chemical

|                                                  |                                                   |
|--------------------------------------------------|---------------------------------------------------|
| Explosion hazard                                 | No direct explosion hazard.                       |
| Reactivity in case of fire                       | Decomposition products may be a hazard to health. |
| Hazardous decomposition products in case of fire | Carbon dioxide. Carbon monoxide.                  |

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### 5.3. Special protective actions for fire-fighters

|                                |                                                                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.                                                    |
| Protection during firefighting | Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus. Complete protective clothing. |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                                             |                                                                                                                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures                            | Spilled material may present a slipping hazard.                                                                                                                                                      |
| Prevention Measures for Secondary Accidents | No additional information available.                                                                                                                                                                 |
| <b>6.1.1. For non-emergency personnel</b>   |                                                                                                                                                                                                      |
| Protective equipment                        | Wear recommended personal protective equipment.                                                                                                                                                      |
| Emergency procedures                        | Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.                                                                                                           |
| <b>6.1.2. For emergency responders</b>      |                                                                                                                                                                                                      |
| Protective equipment                        | Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures                        | Ventilate area. Evacuate unnecessary personnel. Stop leak if safe to do so.                                                                                                                          |

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and materials for containment and cleaning up

|                         |                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.                                                    |
| Methods for cleaning up | Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
| Other information       | Dispose of materials or solid residues at an authorized site.                                                                                                                              |

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | Ensure good ventilation of the work station. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Do not breathe vapours, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures              | Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash hands after handling the product.                                                                                                                                           |

### 7.2. Conditions for safe storage, including any incompatibilities

|                        |                                                                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical measures     | Keep in a cool, well-ventilated place away from heat.                                                                                                                                                    |
| Storage conditions     | Keep cool. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Keep only in original container. |
| Incompatible materials | Strong acids. Strong bases. Strong oxidizing agents.                                                                                                                                                     |

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Monitoring methods |                                                       |
|--------------------|-------------------------------------------------------|
| Monitoring methods | A specific exposure sampling method is not available. |

#### 8.2. Appropriate engineering controls

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Appropriate engineering controls | Ensure good ventilation of the work station. |
| Environmental exposure controls  | Avoid release to the environment.            |
| Other information                | Do not eat, drink or smoke during use.       |

#### 8.3. Individual protection measures, such as personal protective equipment (PPE)

##### Personal protective equipment:

Avoid all unnecessary exposure.

|                          |                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------|
| Hand protection          | Avoid repeated or prolonged contact with the skin. Wear protective gloves. Nitrile rubber gloves |
| Eye protection           | Chemical goggles or safety glasses                                                               |
| Skin and body protection | Wear suitable protective clothing                                                                |
| Respiratory protection   | In case of insufficient ventilation, wear suitable respiratory equipment                         |

##### Personal protective equipment symbol(s)



#### 8.4. Exposure limit values for the other components

No additional information available

### SECTION 9: Physical and chemical properties

#### 9.1. Basic physical and chemical properties

|                                                 |                 |
|-------------------------------------------------|-----------------|
| Physical state                                  | Solid           |
| Appearance                                      | Pasty           |
| Colour                                          | Yellow.         |
| Odour                                           | characteristic. |
| Odour threshold                                 | Not available   |
| Melting point                                   | Not available   |
| Freezing point                                  | Not available   |
| Boiling point                                   | Not available   |
| Flammability                                    | Not available   |
| Lower explosion limit                           | Not applicable  |
| Upper explosion limit                           | Not applicable  |
| Flash point                                     | Not applicable  |
| Auto-ignition temperature                       | Not applicable  |
| Decomposition temperature                       | Not available   |
| pH                                              | Not available   |
| pH solution                                     | Not available   |
| Viscosity, kinematic (calculated value) (40 °C) | Not applicable  |
| Partition coefficient n-octanol/water (Log Kow) | Not available   |
| Vapour pressure                                 | Not available   |
| Vapour pressure at 50°C                         | Not available   |

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|                                 |                               |
|---------------------------------|-------------------------------|
| Density                         | 0.9 g/cm <sup>3</sup> (20 °C) |
| Relative density                | Not available                 |
| Relative vapour density at 20°C | Not applicable                |
| Solubility                      | Material insoluble in water.  |
| Particle size                   | Not available                 |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : carbon oxides. Toxic gases. Toxic vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                |
|-----------------------------|----------------|
| Acute toxicity (oral)       | Not classified |
| Acute toxicity (dermal)     | Not classified |
| Acute toxicity (inhalation) | Not classified |

| organic polysulphide (68425-15-0)                   |                                                                                                                            |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| LD50 dermal rat                                     | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| Skin corrosion/irritation                           | Not classified                                                                                                             |
| Serious eye damage/irritation                       | Not classified                                                                                                             |
| Respiratory or skin sensitization                   | May cause an allergic skin reaction.                                                                                       |
| Germ cell mutagenicity                              | Not classified                                                                                                             |
| Carcinogenicity                                     | Not classified                                                                                                             |
| Reproductive toxicity                               | Not classified                                                                                                             |
| STOT-single exposure                                | Not classified                                                                                                             |
| STOT-repeated exposure                              | Not classified                                                                                                             |
| Aspiration hazard                                   | Not classified                                                                                                             |
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met.                                                          |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

|                                                           |                                                                                                                       |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | Not classified                                                                                                        |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified                                                                                                        |

| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |            |
|------------------------------------------------------------------------------------|------------|
| LC50 - Fish [1]                                                                    | > 100 mg/l |
| LC50 - Other aquatic organisms [1]                                                 | > 100 mg/l |

#### 12.2. Persistence and degradability

| Renolit LX P LT                                                                    |                                      |
|------------------------------------------------------------------------------------|--------------------------------------|
| Persistence and degradability                                                      | No additional information available. |
| organic polysulphide (68425-15-0)                                                  |                                      |
| Persistence and degradability                                                      | Not readily biodegradable in water.  |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |                                      |
| Persistence and degradability                                                      | Not rapidly degradable               |

#### 12.3. Bioaccumulative potential

| Renolit LX P LT                                                                    |                                                                                                   |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Bioaccumulative potential                                                          | Not established.                                                                                  |
| organic polysulphide (68425-15-0)                                                  |                                                                                                   |
| Partition coefficient n-octanol/water (Log Kow)                                    | > 6.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C) |
| Bioaccumulative potential                                                          | High potential for bioaccumulation (Log Kow > 5).                                                 |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |                                                                                                   |
| Bioconcentration factor (BCF REACH)                                                | 411                                                                                               |

#### 12.4. Mobility in soil

| Renolit LX P LT                                            |                                                                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mobility in soil                                           | No additional information available                                                                                                                                               |
| organic polysulphide (68425-15-0)                          |                                                                                                                                                                                   |
| Surface tension                                            | Not applicable, OECD 115: Surface Tension of Aqueous Solutions                                                                                                                    |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 8.5 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| Ecology - soil                                             | Adsorbs into the soil.                                                                                                                                                            |

#### 12.5. Other adverse effects

|                       |                                     |
|-----------------------|-------------------------------------|
| Ozone                 | Not classified                      |
| Other adverse effects | No additional information available |
| Other information     | Avoid release to the environment.   |

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| Regional waste regulation                  | Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations.                     |
| Ecological waste information               | Avoid release to the environment.                                                           |
| Additional information                     | Do not re-use empty containers.                                                             |

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

| ADR                                     | IMDG          | IATA          | RID           |
|-----------------------------------------|---------------|---------------|---------------|
| <b>14.1. UN number or ID number</b>     |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

##### Rail transport

Not regulated

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

### SECTION 16: Other information



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### Abbreviations and acronyms

ACGIH - American Conference of Government Industrial Hygienists  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE - Acute Toxicity Estimate  
BCF - Bioconcentration factor  
BLV - Biological limit value  
BOD - Biochemical oxygen demand (BOD)  
CAS-No. - Chemical Abstract Service number  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
COD - Chemical oxygen demand (COD)  
CSA - Chemical safety assessment  
DMEL - Derived Minimal Effect level  
DNEL - Derived-No Effect Level  
EC-No. - European Community number  
EC50 - Median effective concentration  
ED - Endocrine disruptor  
EN - European Standard  
EWC - European waste catalogue  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Median lethal concentration  
LD50 - Median lethal dose  
LOAEL - Lowest Observed Adverse Effect Level  
Log Kow - Partition coefficient n-octanol/water (Log Kow)  
Log Pow - Partition coefficient n-octanol/water (Log Pow)  
MAK - maximum workplace concentration  
NOAEC - No-Observed Adverse Effect Concentration  
NOAEL - No-Observed Adverse Effect Level  
NOEC - No-Observed Effect Concentration  
N.O.S. - Not Otherwise Specified  
OECD - Organisation for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OSHA - Occupational Safety Health Administration  
PBT - Persistent Bioaccumulative Toxic  
PNEC - Predicted No-Effect Concentration  
PPE - Personal protection equipment  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
SDS - Safety Data Sheet  
STP - Sewage treatment plant  
TF - Technical function  
ThOD - Theoretical oxygen demand (ThOD)  
TLM - Median Tolerance Limit  
TWA - Time Weighted Average  
VOC - Volatile Organic Compounds  
vPvB - Very Persistent and Very Bioaccumulative  
UFI - Unique Formula Identifier

Other information None.

### Full text of H-statements:

Aquatic Acute Not classified

Hazardous to the aquatic environment – Acute Hazard Not classified



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| Full text of H-statements: |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| Aquatic Chronic 3          | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Flam. Liq. Not classified  | Flammable liquids Not classified                                  |
| Repr. 2                    | Reproductive toxicity, Category 2                                 |
| Skin Sens. 1               | Skin sensitisation, Category 1                                    |
| Skin Sens. 1B              | Skin sensitisation, category 1B                                   |
| H317                       | May cause an allergic skin reaction                               |
| H361                       | Suspected of damaging fertility or the unborn child               |
| H412                       | Harmful to aquatic life with long lasting effects                 |

SDS\_UN\_Hilti

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.