Renolit LX P 00

Safety Data Sheet

According to ICOP 2014

Issue date: 23/06/2025 Revision date: 23/6/2025 Supersedes: Version: 1.0

SECTION 1: Identification of the hazardous chemical and of the supplier

1.1. Product identifier

Name	Renolit LX P 00 (formerly Gearmaster LXG 00)
Product form	Mixture
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

Recommended use	Lubricant
Restrictions on use	For professional use only

1.4. Supplier details

Supplier

FUCHS LUBRICANTS GERMANY GmbH
Friesenheimer Str. 19
68169 Mannheim
Germany
T +49 621 3701-0
produktsicherheit-FLG@fuchs.com

Department issuing data specification sheet

Hilti AG
Feldkircherstraße 100
9494 Schaan
Liechtenstein
T +423 234 2111
product.compliance-power.tools@hilti.com

1.5. Emergency phone number

Emergency number	GBK GmbH Global Regulatory Compliance +49 (0)6132-84463

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Not classified

2.2. Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)

No labelling applicable

2.3. Other hazards that do not result in classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	CAS-No.: 68411-46-1	0.1 – 1	Repr. 2, H361f Aquatic Acute Not classified Aquatic Chronic 3, H412

Name	Product identifier	%	Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)
Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-	CAS-No.: 268567-32-4	0.1 – 1	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute Not classified Aquatic Chronic 3, H412

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. Allow the victim to rest. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact: Gently wash with plenty of soap and water.

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 after skin contact: Causes skin irritation.

Symptoms/effects after eye contact: Causes eye irritation.

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

Other medical advice or treatment: Get medical attention if symptoms occur.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media: Dry powder. Carbon dioxide. Alcohol-resistant foam. Water spray.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Physicochemical hazards arising from the chemical

Explosion hazard: No direct explosion hazard.

Reactivity in case of fire: Formation of toxic gases is possible during heating or in case of fire.

Hazardous decomposition products in case of fire: Carbon dioxide. Carbon monoxide.

5.3. Special protective equipment and precautions 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.

6.1.1. For non-emergency personnel

Protective equipment: Wear recommended personal protective equipment.

Emergency procedures	Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

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

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

6.3. Methods and materials for containment and cleaning up

For containment	Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	Shovel or sweep up and put in a closed container for disposal. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Methods and Equipment for Containment and Cleaning up	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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. 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 container closed when not in use. Keep only in original container.
Incompatible materials	Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

No additional information available

Exposure limit values for the other components

No additional information available

8.1.1 Biological monitoring

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.

8.3. Individual protection measures, such as PPE

Hand protection:
Avoid repeated or prolonged contact with the skin. 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):

Environmental exposure controls	Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state	Solid
Appearance	Pasty.
Colour	Yellow
Odour	characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Vapour pressure	No data available
Relative vapour density at 20°C	No data available
Relative density	No data available
Solubility	Practically insoluble in : water.
Partition coefficient n-octanol/water (Log Pow)	No data available
Partition coefficient n-octanol/water (Log Kow)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Density	0.9 g/cm³ (20 °C)

SECTION 10: Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use
Conditions to avoid	Direct sunlight,Extremely high or low temperatures
Incompatible materials	Strong acids,Strong bases,Strong oxidizing agents
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced,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

Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl- (268567-32-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))

Skin corrosion or irritation	Not classified
Serious eye damage or eye irritation	Not classified
Respiratory sensitization	Not classified
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (STOT) – single exposure	Not classified
Specific target organ toxicity (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.

SECTION 12: Ecological information

12.1. Ecotoxicity

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
Other information	Avoid release to the environment.

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
Bioconcentration factor (BCF REACH)	411

Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl- (268567-32-4)	
LC50 - Fish [1]	38 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	53 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	79 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	5.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	3.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

Renolit LX P 00	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

Renolit LX P 00	
Bioaccumulative potential	Not established.
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 00	
Mobility in soil	No additional information available

12.5. Other adverse effects

Ozone: Not classified
Other adverse effects: No additional information available

SECTION 13: Disposal information

13.1. Disposal methods

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: Transportation information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
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

14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental regulations specific for the hazardous chemical in question

Regulation		Component/ Mixture
EHS Notification and Registration Scheme	Not applicable	
EHS Notification and Registration Scheme	Not applicable	Renolit LX P 00
Environmental Quality (Chlorofluorocarbons Prohibition) Order 1993		Renolit LX P 00
Environmental Quality (Industrial Effluent) Regulations 2009		Renolit LX P 00
Environmental Quality (Scheduled Wastes) Regulations 2007		Renolit LX P 00
Control of Industrial Major Accident Hazards Regulations 1996		Renolit LX P 00
Prohibition of Use of Substance Order 1999		Renolit LX P 00
Use and Standards of Exposure of Chemical Hazardous to Health Regulations 2000		Renolit LX P 00
Chemical Weapons Convention Act		Renolit LX P 00
Corrosive and Explosive Substances and Offensive Weapons Act		Renolit LX P 00
Dangerous Drugs Act		Renolit LX P 00
Pesticides Act		Renolit LX P 00
Petroleum (Safety Measures) Act		Renolit LX P 00
Poisons Act 1952		Renolit LX P 00
Poisons (Psychotropic Substances) Regulations 1989		Renolit LX P 00

15.2. International agreements

No additional information available

SECTION 16: Other information

Version 1.0

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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	
Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified

Full text of H-statements	
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Aquatic Acute Not classified	Hazardous to the aquatic environment – Acute Hazard Not classified
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage or eye irritation, Category 1
Flam. Liq. Not classified	Flammable liquids Not classified
Repr. 2	Reproductive toxicity, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H361f	Suspected of damaging fertility
H412	Harmful to aquatic life with long lasting effects

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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.