

# SAFETY DATA SHEET

## 1. Identification of the hazardous chemical and of the supplier

**Product identifier:** RENOLIT H EP 1

**Other means of identification:** No data available.

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

**Recommended use:** Lubricating grease

**Recommended restrictions:** Industrial use only

### Manufacturer/Importer/Distributor Information

#### Manufacturer

Company Name: Fuchs Lubricants Co.  
Address: 17050 Lathrop Avenue  
Harvey, Illinois 60426  
Telephone: 708-333-8900  
Fax: 708-333-9180

Contact Person: EHS Department  
E-mail: sds@fuchs.com

**Emergency telephone number:** 708-333-8900 (Bus. hrs) 800-255-3924 (24 hrs)

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

Acute toxicity (Dermal) Category 5

#### Unknown toxicity - Health

Acute toxicity, oral	7.81 %
Acute toxicity, dermal	8.12 %
Acute toxicity, inhalation, vapor	11.27 %
Acute toxicity, inhalation, dust or mist	13.78 %

### Label Elements

**Hazard Symbol:** No symbol

**Signal Word:** Warning

**Hazard Statement:** H313: May be harmful in contact with skin.

#### Precautionary Statements

**Prevention:** P273: Avoid release to the environment.

**Response:** P312: Call a POISON CENTER or doctor/ physician if you feel unwell.

**Disposal:** P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	60 - 100%
Lithium soap	7620-77-1	3 - 7%
Asphalt	8052-42-4	1 - 5%

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

**Trade secret information:** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

**Inhalation:** Move to fresh air. Call a POISON CENTER/doctor if you feel unwell.

**Skin Contact:** Remove contaminated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.

**Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.

**Ingestion:** Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.

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

**Symptoms:** No data available.

**Hazards:** No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** Get medical attention if symptoms occur.

### 5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Water spray, fog, CO<sub>2</sub>, dry chemical, or regular foam. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Heat may cause the containers to explode. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for fire-fighters**

**Special fire-fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. Ensure adequate ventilation.

**For non-emergency personnel:** No data available.

**For emergency responders:** No data available.

**Methods and material for containment and cleaning up:** Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk.

**Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

**7. Handling and storage**

**Precautions for safe handling:** Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Do not expose to intense heat as product may expand and pressurize container. Avoid contact with molten material.

**Conditions for safe storage, including any incompatibilities:** Store in original tightly closed container. Avoid contact with oxidizing agents. Store away from incompatible materials.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Distillates (petroleum), hydrotreated heavy naphthenic	VLE-PPT	5 mg/m <sup>3</sup>	Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014)
Asphalt - Inhalable fraction. - as benzene solubles	VLE-PPT	0.5 mg/m <sup>3</sup>	Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014)

**Appropriate Engineering Controls** No data available.

#### Individual protection measures, such as personal protective equipment

**General information:** Use personal protective equipment as required.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

#### Skin Protection

**Hand Protection:** No data available.

#### Other:

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.

**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.

## 9. Physical and chemical properties

### Appearance

**Physical state:** solid

**Form:** Grease

**Color:** Amber

**Odor:** Mild petroleum/solvent

**Odor threshold:** No data available.

**pH:** No data available.

**Melting point/freezing point:** No data available.

**Initial boiling point and boiling range:** No data available.

**Flash Point:** 204.44 °C

<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative density:</b>	0.95
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	> 22 mm <sup>2</sup> /s (40 °C, estimated)

## 10. Stability and reactivity

<b>Reactivity:</b>	Not reactive during normal use.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	None under normal conditions.
<b>Conditions to avoid:</b>	Avoid heat or contamination.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
<b>Skin Contact:</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact:</b>	Eye contact is possible and should be avoided.
<b>Ingestion:</b>	May be ingested by accident. Ingestion may cause irritation and malaise.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.  
**Ingestion:** No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**  
**Product:** ATEmix (): > 5000 mg/kg

**Dermal**  
**Product:** ATEmix (): 2000 - 5000 mg/kg

**Inhalation**  
**Product:** No data available.

**Specified substance(s):**  
 Distillates (petroleum),  
 hydrotreated heavy  
 naphthenic LC 50 (Rat): > 5,000 mg/l  
 LC 50: > 5,000 mg/l

Asphalt LC 50 (Rat): > 94.4 mg/m3  
 LC 50 (Rat): 23.6 mg/l  
 LC 50 (Rat): > 94.4 mg/m3

**Repeated dose toxicity**  
**Product:** No data available.

**Skin Corrosion/Irritation**  
**Product:** No data available.

**Specified substance(s):**  
 Distillates (petroleum),  
 hydrotreated heavy  
 naphthenic in vivo (Rabbit): Not irritant , 72 h Experimental result, Supporting study  
 in vivo (Rabbit): Category 2 , 24 - 72 h Experimental result, Key study

Lithium soap In vitro (Human, in vitro reconstituted epidermis model): Not irritant , 6 d  
 Experimental result, Key study  
 in vivo (Rabbit): Not irritant , 4 - 72 h Experimental result, Supporting study  
 In vitro (Human, in vitro reconstituted epidermis model): Non-corrosive , 2 d  
 Experimental result, Key study  
 In vitro (Human, EPISKIN epidermis model): Not irritant , > 0.00 h  
 Experimental result, Key study

Asphalt in vivo (Rabbit): Not irritant , 24 - 72 h Experimental result, Key study

### Serious Eye Damage/Eye Irritation

**Product:** No data available.

**Specified substance(s):**

Distillates (petroleum), hydrotreated heavy naphthenic	Rabbit, 48 h: Not irritant EU
	Rabbit, 24 h: Not irritant EU
	Rabbit, 48 h: Not irritant EU
	Rabbit, 24 h: Not irritant EU
Lithium soap	Rabbit, 7 d: Not irritant EU
	Rabbit, 2 - 7 d: Not irritant
	Rabbit, 7 d: Not irritant
	Rabbit: Not irritant EU
	Rabbit, 7 d: Not Classified EU
	Rabbit, 3 - 7 d: Not irritant
	Rabbit: Not irritant EU
	Rabbit, 1 - 14 d: Not Classified EU
	Rabbit, 72 h: Not irritant
	Rabbit, 48 h: Not Classified EU
	Rabbit, 24 - 72 h: Not Classified EU
Rabbit, 24 h: Not Classified EU	
Asphalt	Rabbit, 7 d: Not irritant EU
	Rabbit, 1 h: Not irritant EU
	Rabbit, 72 h: Not irritant EU
	Rabbit, 48 h: Not irritant EU
	Rabbit, 1 h: Not irritant EU
	Rabbit, 24 h: Not irritant EU
	Rabbit, 24 h: Not irritant EU
	Rabbit, 48 h: Not irritant EU
	Rabbit, 48 h: Not irritant EU
	Rabbit, 48 h: Not irritant EU
	Rabbit, 24 h: Not irritant EU
	Rabbit, 72 h: Not irritant EU
	Rabbit, 24 h: Not irritant EU

### Respiratory or Skin Sensitization

**Product:** No data available.

### Carcinogenicity

**Product:** No data available.

### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

### Germ Cell Mutagenicity

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

### Reproductive toxicity

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

Distillates (petroleum),  
hydrotreated heavy  
naphthenic LC 50 (Fish, 96 h): > 100 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

Distillates (petroleum),  
hydrotreated heavy  
naphthenic EC50 (Shrimp (*Callinassa australiensis*), 48 h): > 100 mg/l

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

Distillates (petroleum),  
hydrotreated heavy  
naphthenic EC50 (Daphnia, 14 d): 0.058 mg/l  
EC50 (21 d): 0.054 mg/l  
EC50 (2 d): > 10,000 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s):**

Distillates (petroleum),  
hydrotreated heavy  
naphthenic

EC50 (Algae (Pseudokirchneriella subcapitata), 72 h): > 100 mg/l

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

Distillates (petroleum),  
hydrotreated heavy  
naphthenic

No data available.

Lithium soap

No data available.

Asphalt

No data available.

**Other adverse effects:** No data available.

**13. Disposal considerations**

**Disposal instructions:**

Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

**Contaminated Packaging:**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information**

**DOT**

Not Regulated.

**IATA**

Not Regulated.

**IMDG**

Not Regulated.

**15. Regulatory information**

**Safety, health and environmental regulations specific for the product in question**

**Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)**

Not applicable

Chemical Identity	Yearly reporting threshold (Manufacture, Processing or Use):	Yearly reporting threshold (Emissions):
Cumene	5000 kg.	1000 kg.

**Mexico. Federal Law for the Control of Chemical Substances Susceptible to Diversion to Manufacturing of Chemical Weapons, Appendix 1: National list of chemical substances**

Not applicable

**Mexico. Wastewater Discharges - Maximum Limits into Coastal Waters, Dams, Rivers, Soil and Wetlands (NOM-001-ECOL)**

none

**Mexico. Hazardous Chemicals (NOM-028-STPS-2012, System for administration of workplace safety in the process and critical equipment for handling hazardous chemicals, Appendix A, Table A.I)**

Not Regulated

**Mexico. Narcotic Drugs List (General Health Law, Articles 234 & 239, Feb. 7, 1984)**

Not applicable

**Mexico. Psychotropic Drugs (General Health Law, Feb. 7, 1984, Articles 245 & 254 Bis)**

Not applicable

**16. Other information, including date of preparation or last revision**

<b>Issue Date:</b>	01/09/2025
<b>Revision Information:</b>	01/09/2025: ARGHS_MX
<b>Version #:</b>	1.2
<b>Further Information:</b>	No data available.
<b>Disclaimer:</b>	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

