

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

#### 1.1 Product identifier

**Product name:** RENOLIT EP-X 1

#### 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 Schmierstoffe GmbH  
Friesenheimer Straße 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 automotive-FS@fuchs.com  
Industrial lubricants industrie-FS@fuchs.com  
Telephone: +49 621 3701-0 (ZENTRALE)  
Fax: +49 621 3701-570

#### Informing department for safety data sheets

E-mail: produktsicherheit-FS@fuchs.com  
Telephone: +49 621 3701-1333  
Fax: +49 621 3701-7303

**1.4 Emergency telephone number:** +49 621 3701-1333 / +49 621 3701-0 (Mo-Do 8-17, Fr 8-16)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

The product has not been classified as hazardous, but needs to be labelled according to regulation (EU) 1272/2008 (CLP).

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Hazard summary

**Physical Hazards:** No data available.

**Product name:** RENOLIT EP-X 1

## 2.2 Label Elements

EUH208: Contains N-1-naphthylanilin. May produce an allergic reaction.

EUH210: Safety data sheet available on request.

## 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 solvent refined mineral oil. No hazardous ingredients.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
N-1-naphthylanilin	EINECS: 201-983-0	>=0,10% - <=0,25%	01-2119488704-27	

\* 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	Identifier	Classification
N-1-naphthylanilin	EINECS: 201-983-0	CLP: Skin Sens. 1B;H317, Aquatic Acute 1;H400, Aquatic Chronic 1;H410, STOT RE 2;H373, Acute Tox. 4;H302; M-Factor (aquatic acute): 1; M-Factor (aquatic chronic): 1

CLP: Regulation No. 1272/2008.

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Note L of Annex VI of Regulation EC 1272/2008."

## SECTION 4: First aid measures

#### General:

Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

### 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:

Wash with soap and water. The product is not skin irritating.

#### Ingestion:

Rinse mouth thoroughly.

**Product name:** RENOLIT EP-X 1

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

**4.3 Indication of any immediate medical attention and special treatment needed:** Get medical attention if symptoms occur.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** CO<sub>2</sub>, 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:** No data available.

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

## SECTION 6: Accidental release measures

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

**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. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations.

**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:

**7.1 Precautions for safe handling:** Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.

**Product name:** RENOLIT EP-X 1

**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):** No data available.

**Storage Class:** 11, Combustible solids

## 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:

Good general ventilation (typically 10 air changes per hour) should be used. 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

##### 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:

Safety glasses (EN 166) recommended during refilling.

##### Skin protection

##### Hand Protection:

Material: 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:

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.

Product name: RENOLIT EP-X 1

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state:	solid
Form:	Paste
Color:	Black
Odor:	Characteristic
pH:	Not applicable
Drop Point:	180 °C (IP 396)
Boiling Point:	not determined
Flash Point:	Value not relevant for classification
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	not determined
Flammability Limit - Upper (%)-:	Not applicable for mixtures
Flammability Limit - Lower (%)-:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Density:	0,95 g/cm <sup>3</sup> (15 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	not determined
Decomposition Temperature:	not determined
NLGI:	1
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
Particle characteristics:	Study technically not feasible
9.2 Other information	No data available.

## SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal temperature conditions and recommended use.
10.2 Chemical Stability:	No data available.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Avoid heat or contamination.
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.

Product name: RENOLIT EP-X 1

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

**Oral**

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

**Specified substance(s)**  
N-1-naphthylanilin LD 50 (Rat): 1.625 mg/kg

**Dermal**

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

**Specified substance(s)**  
N-1-naphthylanilin LD 50 (Rabbit): > 5.000 mg/kg

**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.

**Specified substance(s)**  
N-1-naphthylanilin OECD 404 (Rabbit):  
Not irritant.

**Serious Eye Damage/Eye Irritation:**

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

**Specified substance(s)**  
N-1-naphthylanilin OECD 405 (Rabbit):  
Not irritant.

**Respiratory or Skin Sensitization:**

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

**Germ Cell Mutagenicity**

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

**Carcinogenicity**

**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 name:** RENOLIT EP-X 1

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

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

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Acute toxicity

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

#### Fish

##### Specified substance(s)

N-1-naphthylanilin EC 50 (Fish, 96 h): 0,44 mg/l

#### Aquatic Invertebrates

##### Specified substance(s)

N-1-naphthylanilin LC 50 (Water Flea, 48 h): 0,32 mg/l

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

#### Toxicity to Aquatic Plants

##### Specified substance(s)

N-1-naphthylanilin EC 50 (Alga, 72 h): 0,25 mg/l

### 12.2 Persistence and Degradability

#### Biodegradation

**Product:** Not applicable for mixtures

##### Specified substance(s)

N-1-naphthylanilin 0 % (OECD 301C) Not easily biodegradable

### 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.

#### Water Hazard Class (WGK):

WGK 1: slightly water-endangering.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:** Dispose in accordance with all applicable regulations.

**Product name:** RENOLIT EP-X 1

**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.

**European Waste Codes**

12 01 12\*: spent waxes and fats

**SECTION 14: Transport information**

**ADR/RID**

14.1 UN 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: –

**IMDG**

14.1 UN 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: –  
 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.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**EU Regulations**



**Product name:** RENOLIT EP-X 1

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**EU. Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:** none

**EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended:** none

**National Regulations**

**Water Hazard Class (WGK):** WGK 1: slightly water-endangering.

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

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

**Wording of the H-statements in section 2 and 3**

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H373	May cause damage to kidneys through prolonged or repeated exposure if swallowed
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Training information:** Follow training instructions when handling this material.

**Other information:** The classification complies with the current EU lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: - On the basis of test data - Calculation Method - Bridging Principle "Substantially similar mixtures" - Expert Judgement

**Revision Date:** 11.10.2021

**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.