



## 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:** RENOLIN PG 100

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Lubricant

**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 Str. 19  
68169 Mannheim

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#### 1.4 Emergency telephone number:

+49 621 3701-1333 ODER +49 621 3701-0

### 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).

**Hazard summary**

**Physical Hazards:**

No data available.

#### 2.2 Label Elements

EUH210: Safety data sheet available on request.

**Product name:** RENOLIN PG 100

### 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:

Mixture of synthetic base oils with additives.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Amine aromatic , alkylated	Confidential	1,00 - <5,00%	Confidential	
Phenol derivative	Confidential	1,00 - <5,00%	Confidential	

\* 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
Amine aromatic , alkylated	Confidential	CLP: Aquatic Chronic 3;H412
Phenol derivative	Confidential	CLP: Aquatic Chronic 4;H413

CLP: Regulation No. 1272/2008.

For the wording of the listed risk phrases refer to section 16.

## 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.

### 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

#### Hazards:

No data available.

#### Treatment:

Get medical attention if symptoms occur.

Product name: RENOLIN PG 100

## 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:** In case of spills, beware of slippery floors and surfaces.

**6.2 Environmental Precautions:** Prevent from spreading (e.g. by binding or oil barriers).

**6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust).

**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.

**7.2 Conditions for safe storage, including any incompatibilities:** Local regulations concerning handling and storage of waterpolluting products have to be followed. Prevent formation of aerosols.

**7.3 Specific end use(s):** not applicable

**Product name:** RENOLIN PG 100

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**Storage Class:** 10, Combustible liquids

## **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:** No data available.

#### **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:** 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:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. Avoid breathing vapour/ aerosol.

**Thermal hazards:** No data available.

**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**

**Product name:** RENOLIN PG 100

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<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	260 °C (DIN EN ISO 2592)
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%)—:</b>	No data available.
<b>Flammability Limit - Lower (%)—:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	1,04 g/ml (15,00 °C) (DIN 51757)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>Kinematic viscosity:</b>	100 mm <sup>2</sup> /s (40 °C, DIN 51562)
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.
<b>9.2 Other information</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical Stability:</b>	No data available.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal conditions.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

Product name: RENOLIN PG 100

## 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)

Amine aromatic ,  
alkylated

LD 50 (Rat): > 2.001 mg/kg (OECD 401)

Phenol derivative

LD 50 (Rat): > 5.000 mg/kg

##### Dermal

###### Product:

Not classified for acute toxicity based on available data.

###### Specified substance(s)

Amine aromatic ,  
alkylated

LD 50 (Rat): > 2.001 mg/kg

Phenol derivative

LD 50 (Rabbit): > 2.001 mg/kg (OECD 402)

##### Inhalation

###### Product:

ATEmix: 456,67 mg/l  
Dusts, mists and fumes

###### Specified substance(s)

Amine aromatic ,  
alkylated

No data available.

Phenol derivative

No data available.

##### Repeated dose toxicity

###### Product:

No data available.

###### Specified substance(s)

Amine aromatic ,  
alkylated

No data available.

Phenol derivative

No data available.

##### Skin Corrosion/Irritation:

###### Product:

No data available.

###### Specified substance(s)

Amine aromatic ,  
alkylated

OECD 404 (Rabbit):  
Not irritant.

Phenol derivative

No data available.

**Product name:** RENOLIN PG 100

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**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,	OECD 405 (Rabbit):
alkylated	Not irritant.
Phenol derivative	No data available.

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,	No sensitizing effect (guinea pig); OECD 406 (Guinea Pig) Not a skin sensitizer.
alkylated	
Phenol derivative	

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,	No data available.
alkylated	
Phenol derivative	No data available.

**In vivo**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,	No data available.
alkylated	
Phenol derivative	No data available.

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,	No data available.
alkylated	
Phenol derivative	No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,	No data available.
alkylated	
Phenol derivative	No data available.

**Product name:** RENOLIN PG 100

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**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,                      No data available.  
alkylated

Phenol derivative                      No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,                      No data available.  
alkylated

Phenol derivative                      No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,                      No data available.  
alkylated

Phenol derivative                      No data available.

**Other Adverse Effects:** No data available.

<b>SECTION 12: Ecological information</b>
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**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,                      LC 50 (Fish, 96 h): > 71 mg/l  
alkylated

Phenol derivative                      LC 50 (Fish, 96 h): > 101 mg/l (OECD 203)

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic ,                      EC 50 (Water Flea, 48 h): 51 mg/l  
alkylated

Phenol derivative                      EC 50 (Water Flea, 24 h): > 101 mg/l (OECD 202)

**Chronic Toxicity**

**Fish**

**Product:** No data available.



**Product name:** RENOLIN PG 100

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**Specified substance(s)**

Amine aromatic , alkylated	No data available.
Phenol derivative	No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic , alkylated	No data available.
Phenol derivative	No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic , alkylated	No data available.
Phenol derivative	EC 50 (Alga, 72 h): > 101 mg/l (OECD 201)

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic , alkylated	No data available.
Phenol derivative	The product is slightly biodegradable.

**12.3 Bioaccumulative Potential**

**Product:** No data available.

**Specified substance(s)**

Amine aromatic , alkylated	No data available.
Phenol derivative	No data available.

**12.4 Mobility in Soil:**

No data available.

**Known or predicted distribution to environmental compartments**

Amine aromatic , alkylated	No data available.
Phenol derivative	No data available.

**12.5 Results of PBT and vPvB assessment:**

No data available.

Amine aromatic , alkylated	No data available.
Phenol derivative	No data available.

**Product name:** RENOLIN PG 100

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**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.

**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

13 02 06\*: synthetic engine, gear and lubricating oils

## 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:	—

### ADN

14.1 UN 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:	—

**Product name:** RENOLIN PG 100

#### 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 MARPOL73/78 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

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** 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

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

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

H412 Harmful to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.



**Product name:** RENOLIN PG 100

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

**Other information:** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

**Revision Date:** 19.11.2015

**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.