



## 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 AWD 150

#### 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

US Distributor  
Fuchs Lubricants Co.  
17050 Lathrop Avenue  
Harvey, IL 60426  
(708) 333-8900  
(800) 255-3924 (24 hr Emergency)

Telephone:  
Fax:

+49 621 3701-0 (ZENTRALE)  
+49 621 3701-570

**Contact Person:**

Telephone:  
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Fuchs Schmierstoffe GmbH Abteilung Produktsicherheit  
+49 621 3701-1333  
+49 621 3701-7303  
produktsicherheit@fuchs-schmierstoffe.de

**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 been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

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

**Environmental Hazards**

Chronic hazards to the aquatic  
environment

Category 3

H412: Harmful to aquatic life with long lasting  
effects.

**Hazard summary**

**Physical Hazards:** No data available.

#### 2.2 Label Elements

|| **Hazard Statement(s):** H412: Harmful to aquatic life with long lasting effects.

**Product name:** RENOLIN AWD 150

## Precautionary Statement

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

## Supplemental label information

EUH208: Contains Alkyl amine. May produce an allergic reaction.

**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 containing severely refined base oils and additives.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Alkyl amine	EINECS: 273-279-1	0,10 - <0,25%	01-2119456798-18	
Alkylen amine	EINECS: 204-015-5	0,01 - <0,25%		

\* 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
Alkyl amine	EINECS: 273-279-1	CLP: Acute Tox. 4;H302, Acute Tox. 2;H330, Acute Tox. 3;H311, Skin Corr. 1B;H314, Aquatic Acute 1;H400, Aquatic Chronic 1;H410, Skin Sens. 1A;H317, STOT SE 3;H335
Alkylen amine	EINECS: 204-015-5	CLP: Asp. Tox. 1;H304, STOT RE 2;H373, Skin Corr. 1B;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 1;H410, Acute Tox. 4;H302, STOT SE 3;H335; M-Factor (aquatic acute): 10; M-Factor (aquatic chronic): 10

CLP: Regulation No. 1272/2008.

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

## SECTION 4: First aid measures

**General:** Instantly remove any clothing soiled by the product.

### 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.



**Product name:** RENOLIN AWD 150

<b>Skin Contact:</b>	Wash with soap and water. The product is not skin irritating.
<b>Ingestion:</b>	Rinse mouth thoroughly.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	May cause skin and eye irritation.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	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:** Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

**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:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers). Environmental manager must be informed of all major spillages. Do not allow to enter drainage system, surface or ground water.

**6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

**Product name:** RENOLIN AWD 150

**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:** Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.

**7.2 Conditions for safe storage, including any incompatibilities:** Local regulations concerning handling and storage of waterpolluting products have to be followed. Do not heat up to temperatures close to the flash point.

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

**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:** Provide adequate ventilation. 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.

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**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:**

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

**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.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state:**

liquid

**Form:**

liquid

**Color:**

Dark yellow

**Odor:**

Characteristic

**Odor Threshold:**

Not applicable for mixtures

**pH:**

not applicable

**Freezing point:**

Not applicable for mixtures

**Boiling Point:**

Value not relevant for classification

**Flash Point:**

210 °C

**Evaporation Rate:**

Not applicable for mixtures

**Flammability (solid, gas):**

Value not relevant for classification

**Flammability Limit - Upper (%)—:**

Not applicable for mixtures

**Flammability Limit - Lower (%)—:**

Not applicable for mixtures

**Vapor pressure:**

Not applicable for mixtures

**Vapor density (air=1):**

Not applicable for mixtures

**Density:**

0,89 g/ml (15,00 °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:**

Value not relevant for classification

**Product name:** RENOLIN AWD 150

<b>Decomposition Temperature:</b>	Value not relevant for classification
<b>Kinematic viscosity:</b>	145 mm <sup>2</sup> /s (40 °C)
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification

**9.2 Other information** No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal use conditions.
<b>10.2 Chemical Stability:</b>	Stable under normal use conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Stable under normal use conditions.
<b>10.4 Conditions to avoid:</b>	Stable under normal use conditions.
<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.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Alkyl amine	No data available.
Alkylen amine	LD 50 (Rat): 1.689 mg/kg

##### Dermal

<b>Product:</b>	ATEmix: 176.678,45 mg/kg
<b>Specified substance(s)</b>	
Alkyl amine	No data available.
Alkylen amine	No data available.

##### Inhalation

<b>Product:</b>	ATEmix: 300,35 mg/l Vapour
<b>Specified substance(s)</b>	
Alkyl amine	No data available.
Alkylen amine	No data available.

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**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine No data available.

Alkylen amine No data available.

**Skin Corrosion/Irritation:**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine No data available.

Alkylen amine No data available.

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine No data available.

Alkylen amine No data available.

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine No data available.

Alkylen amine No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine No data available.

Alkylen amine No data available.

**In vivo**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine No data available.

Alkylen amine No data available.

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine No data available.

Alkylen amine No data available.

**Reproductive toxicity**

**Product:** No data available.

**Product name:** RENOLIN AWD 150

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**Specified substance(s)**

Alkyl amine                      No data available.  
Alkylen amine                      No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:**                      No data available.

**Specified substance(s)**

Alkyl amine                      No data available.  
Alkylen amine                      No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:**                      No data available.

**Specified substance(s)**

Alkyl amine                      No data available.  
Alkylen amine                      No data available.

**Aspiration Hazard**

**Product:**                      No data available.

**Specified substance(s)**

Alkyl amine                      No data available.  
Alkylen amine                      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)**

Alkyl amine                      No data available.  
Alkylen amine                      LC 50 (Fish, 96 h): > 0,11 - 1 mg/l

**Aquatic Invertebrates**

**Product:**                      No data available.

**Specified substance(s)**

Alkyl amine                      No data available.  
Alkylen amine                      EC 50 (Water Flea, 48 h): > 0,11 - 1 mg/l

**Chronic Toxicity**

**Fish**

**Product:**                      No data available.



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**Specified substance(s)**

Alkyl amine	No data available.
Alkylen amine	No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine	No data available.
Alkylen amine	No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine	No data available.
Alkylen amine	No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine	No data available.
Alkylen amine	No data available.

**12.3 Bioaccumulative Potential**

**Product:** No data available.

**Specified substance(s)**

Alkyl amine	No data available.
Alkylen amine	No data available.

**12.4 Mobility in Soil:**

No data available.

**Known or predicted distribution to environmental compartments**

Alkyl amine	No data available.
Alkylen amine	No data available.

**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:**

Harmful to aquatic life with long lasting effects.

**Water Hazard Class (WGK):**

WGK 1: slightly water-endangering.

Product name: RENOLIN AWD 150

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

#### European Waste Codes

13 02 05\*: mineral-based non-chlorinated 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: —

### 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: —

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#### 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

**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

- |      |  |
|------|--|
| H302 | Harmful if swallowed.  |
| H304 | May be fatal if swallowed and enters airways.                      |
| H311 | Toxic in contact with skin.  |
| H314 | Causes severe skin burns and eye damage.                           |
| H317 | May cause an allergic skin reaction.                               |
| H318 | Causes serious eye damage.   |
| H330 | Fatal if inhaled.  |
| H335 | May cause respiratory irritation.                                  |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life.  |
| H410 | Very toxic to aquatic life with long lasting effects.              |
| H412 | Harmful to aquatic life with long lasting effects.                 |

**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:** 15.01.2016

**Product name:** RENOLIN AWD 150

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**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.