

# Product Health & Safety Data

Atlas Copco Lubricants

Product: ROTO GLIDE

---

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

**PRODUCT:** ROTO GLIDE  
**PRODUCT No.:** E-46-L5837  
**REVISION:** 16 NOVEMBER 2002  
**SUPERSEDES:** 30 JULY 2002

Atlas Copco Airpower nv  
Boomssesteenweg 957  
B2610 Wilrijk  
Belgium

IN AN EMERGENCY PLEASE CONTACT:  
01372 223131

**INTENDED USES:**

Lubricating grease.

**REASON FOR THIS REVISION:**

Revised

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous ingredients present at or above regulatory disclosure levels:**

None

## 3. HAZARD IDENTIFICATION

This product is not considered hazardous according to EU regulatory guidelines.

This product consists of highly refined base oils with additives.

It is of low oral and dermal toxicity and under normal conditions of use should present no significant health hazards. However, in common with most mineral oils, prolonged and repeated skin contact may cause dermatitis.

Handling precautions should be strictly observed.

Note: This product should not be used for any other purpose without expert advice.

## 4. FIRST AID MEASURES

**INHALATION:**

At ambient/normal handling temperatures, inhalation of vapors or fumes is not a problem. If overexposed to vapors or fumes generated at very high temperatures, remove from further exposure. Administer artificial respiration if breathing is irregular or has stopped. Get prompt medical attention.

**SKIN CONTACT:**

If irritation should occur, wash with soap and water.

Consult a physician immediately if the material is injected under the skin from the misuse of high pressure greasing equipment.

**EYE CONTACT:**

Rinse immediately with plenty of water until irritation subsides. If irritation persists, obtain



# Product Health & Safety Data

Atlas Copco Lubricants

Product: ROTO GLIDE

---

medical advice.

**INGESTION:**

If swallowed, keep at rest and call a physician. Do not induce vomiting unless directed to do so by a medical professional.

---

## **5. FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Foam, dry chemical powder, carbon dioxide.

**FIRE AND EXPLOSION HAZARDS:**

Combustible material, low hazard. The product can form flammable mixtures or can burn only on heating above the flash point. However, minor contamination by hydrocarbons of higher volatility may increase the hazard.

**FLASH POINT:**

> 200 deg. C

**METHOD:**

estimated Not measurable

**SPECIAL FIRE-FIGHTING PROCEDURES:**

Water fog or spray, to cool fire-exposed surfaces (e.g. containers) and to protect personnel, should only be used by personnel trained in fire fighting.

Respiratory and eye protection required for fire fighting personnel exposed to fumes or smoke.

**HAZARDOUS COMBUSTION PRODUCTS:**

Smoke, and carbon monoxide may be formed in the event of incomplete combustion.

## **6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:**

See Section 8.

**LAND SPILL:**

Recover residual material; add absorbent to the spill area and remove mechanically into containers. If necessary, dispose of adsorbed residues as directed in Section 13.

Advise the relevant authorities if material has entered a water course or sewer, or has contaminated soil / vegetation. Take measures to minimise the effects on ground water.

**WATER SPILL:**

Data not available.

## **7. HANDLING AND STORAGE**

**SPECIFIC USES:**

Lubricating grease.

Store the product in cool, well ventilated surroundings, well away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations regarding fire prevention with this class of product.

**LOAD/UNLOAD TEMPERATURE deg. C:**

Ambient to 40

# Product Health & Safety Data

Atlas Copco Lubricants

Product: ROTO GLIDE

**STORAGE TEMPERATURE deg. C:** Ambient to 40

**SPECIAL PRECAUTIONS:**

Keep containers closed when not in use.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8.1 OCCUPATIONAL EXPOSURE LIMIT:**

ACGIH recommends a TWA of 5 mg/m<sup>3</sup> and a 15-minute STEL of 10 mg/m<sup>3</sup> for oil mist (Monitoring method; NIOSH 5026)

**8.2 PERSONAL PROTECTION:**

In open systems where contact is likely, wear safety goggles, chemical- resistant overalls, and chemically impervious gloves.

Where only incidental contact is likely, wear safety glasses with side shields. No other special precautions are necessary provided skin/eye contact is avoided.

When concentrations in air may exceed the occupational exposure limit, and where engineering, work practices, or other means of exposure reduction are not adequate, approved respirators may be required.

**ENVIRONMENTAL CONTROLS:** See section 7.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**GENERAL:**

**APPEARANCE / ODOUR:** Dark green grease, very mild bland odour.

**IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION:**

**DENSITY, g/ml:** 0.92 at 15 deg. C Typical

**BOILING RANGE:** Data not available.

**VISCOSITY, mm<sup>2</sup>/S:** 110 at 40 deg. C (Base oil)

**VAPOUR PRESSURE, kPa:** Non-volatile

**VAPOUR DENSITY AT 1 BAR (Air=1):** Heavier than air

**EVAPORATION RATE (n-butyl acetate=1):** Non-volatile

**SOLUBILITY IN WATER:** 20 deg. C Negligible

**pH:** Not Applicable.

**FLASH POINT:** > 200 deg. C  
**METHOD:** estimated Not measurable

**PARTITION COEFFICIENT n-octanol/water:** Data not available.

**AUTOIGNITION TEMPERATURE:** Data not available.

**OTHER INFORMATION:**  
DMSO EXTRACT (METHOD IP 346) % BY WT:                      Less than 3.0

## **10. STABILITY AND REACTIVITY**

**STABILITY (THERMAL, LIGHT, ETC):**                      Stable

**CONDITIONS TO AVOID:**

Keep away from heat sources, open flames and other sources of ignition.

**INCOMPATIBLE MATERIALS:**

Avoid contact with strong oxidants such as liquid chlorine and concentrated oxygen.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Product does not decompose at ambient temperature.

## **11. TOXICOLOGICAL INFORMATION**

**EFFECTS OF OVER EXPOSURE:**

**INHALATION:**

Negligible hazard at ambient/normal handling temperatures.

Elevated temperatures or mechanical action may form vapours, mists, or fumes which may be irritating to the eyes, nose, throat, and lungs.

Avoid breathing vapours, mists, or fumes.

**SKIN CONTACT:**

Low order of acute toxicity.

Prolonged or repeated contact may lead to mild skin irritation.

High pressure grease gun injection injury, where grease is injected through the skin on any part of the body, can cause serious delayed soft tissue damage and should be treated immediately as a surgical emergency.

**EYE CONTACT:**

Slightly irritating, but does not injure eye tissue.

**INGESTION:**

Low order of acute/systemic toxicity.

**CHRONIC:**

Base oil components of this product have shown no carcinogenic activity in experimental animals (long-term repeated skin painting tests).

**TOXICITY DATA:**

**ACUTE:**

No test data are available for the complete formulated product. The potential health hazards described were therefore derived from what is generally known of the toxicity of the base oils

# Product Health & Safety Data

Atlas Copco Lubricants

Product: ROTO GLIDE

---

and the additives, taking into account the concentrations at which they are present. The general effects of mineral oils of this type are well known and are described in numerous publications including CONCAWE Report 5/87 "Health Aspects of Lubricants".

**CHRONIC:**

The base oils for this product have been subjected to a lifetime skin painting bioassay using a standard Exxon test protocol; there was no evidence of carcinogenicity.

## **12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL FATE AND EFFECTS:**

**ECOTOXICITY:**

Available ecotoxicity data (LL50>1000 mg/L) indicates that adverse effects to aquatic organisms are not expected from this product.

**MOBILITY:**

Not established.

**PERSISTENCE AND DEGRADABILITY:**

This product is expected to be inherently biodegradable, as the principal components have been shown to degrade at slow to moderate rates.

**BIOACCUMULATIVE POTENTIAL:**

Not established.

## **13. DISPOSAL CONSIDERATIONS**

Collect and dispose of waste product at an authorised disposal facility, in conformance with national and local regulations, and in accordance with EEC Directives on the disposal of waste oil.

EU WASTE DISPOSAL CODE: 13 02 05

(Note: these codes are assigned based upon the most common uses for this product and may not reflect contaminants resulting from actual use. Purchasers may need to reassign waste disposal codes based on actual use.)

## **14. TRANSPORT INFORMATION**

**USUAL SHIPPING CONTAINERS:**

Drums, pails, cartridges.

**TRANSPORT TEMPERATURE deg. C:** Ambient to 40

**INTERNATIONAL TRANSPORT REGULATIONS**

Not regulated for transport by: land under ADR/RID regulations, inland waterways under ADN regulations, sea under IMO regulations and air under IATA regulations.

## **15. REGULATORY INFORMATION**



# Product Health & Safety Data

Atlas Copco Lubricants

Product: ROTO GLIDE

---

**HAZARD CLASSIFICATION:** Not regulated

**OTHER LABEL INFORMATION:**

Contains  
Barium alkaryl sulphonate  
May produce an allergic reaction.

## **16. OTHER INFORMATION**

**LIBRARY OF RISK PHRASES LISTED IN THIS DOCUMENT: None**

**SOURCE OF KEY DATA:**

The recommendations presented in this Material Safety Data Sheet were compiled from actual test data (when available), comparison with similar products, component information from suppliers and from recognised codes of good practice.

The information and recommendations contained herein are, to the best of ExxonMobil's knowledge and belief, accurate and reliable as of the date issued, but are offered without guarantee or warranty. They relate to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.