

Skin contact may result in slight, temporary irritation.



PRODUCT NAME: AIRLUBE AF

- INHALATION -

This product has low volatility and so is not expected to cause respiratory tract irritation during normal conditions of use. Exposure to high mist levels in poorly ventilated areas may irritate the upper respiratory tract with symptoms of itching eyes and nasal passages.

- INGESTION -

Ingestion may cause slight stomach irritation and discomfort.

This product contains a glycol that may be harmful if swallowed. Since ingestion is not expected during normal use however, this product is not expected to present a risk of hazardous exposure to this glycol.

POTENTIAL CHRONIC HEALTH EFFECTS:

No further data known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

No further data known.

CARCINOGENICITY:

This product is not listed as a known or suspected carcinogen by IARC, OSHA, or the NTP.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT:

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If symptoms persist, contact a physician.

SKIN CONTACT:

Remove product from the skin by washing with a mild soap and flushing with a steady stream of water. Contaminated clothing should be removed to prevent prolonged exposure. If symptoms of exposure persist, contact a physician.

INHALATION:

If signs or symptoms of overexposure occur, remove the employee to fresh air. If symptoms persist, seek medical attention.

INGESTION:

If small amounts are ingested, first aid measures are not likely to be necessary. If larger amounts are ingested or if symptoms of ingestion occur, dilute stomach contents with two glasses of water or milk. (NOTE: Do NOT give anything by mouth to an unconscious person.) Do not induce vomiting without medical supervision. If vomiting occurs spontaneously keep airway clear. If symptoms of ingestion persist, seek medical attention.



PRODUCT NAME: AIRLUBE AF

NOTE TO PHYSICIAN:

This product contains a glycol. Early administration of ethanol may counter the effects of glycol ingestion. Hemodialysis or peritoneal dialysis have been of benefit.

No further data known.

SECTION 5 - FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES:

Flashpoint	: -N/A	°F
Flammability Limits	: LEL	-N/A
	UEL	-N/A

EXTINGUISHING MEDIA:

This product is not combustible but water fog, dry chemical, foam, and CO2 fire extinguishers may be used in areas where it is stored.

UNUSUAL FIRE & EXPLOSION HAZARDS:

No further data known.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

The noncombustible nature of the product creates no need for special fire fighting procedures and equipment.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CLEAN-UP MEASURES:

Important: As with any spill or leak, before responding ensure that you are familiar with the potential hazards and recommendations of the MSDS. Appropriate personal protective equipment must be worn. See Section 8 of this MSDS for PPE recommendations.

If possible, safely contain the spill with dikes or other spill response equipment appropriate for releases of water-based materials. Prevent spreading of product and/or release into the environment. Large volumes of material should be collected in an appropriate waste container for proper disposal. Small volumes or residues may be soaked up with absorbent material. Disposal of any spill response materials should meet appropriate waste regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING:

As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Open containers slowly to relieve any pressure. Follow all other



PRODUCT NAME: AIRLUBE AF

standard industrial hygiene practices.

Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers. Keep containers closed when not in use.

STORAGE:

Protect product quality by storing indoors and away from extreme temperatures. Close all containers when not in use.

SPECIAL COMMENTS:

No further data known.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

- EYE PROTECTION -

Wear eye protection appropriate to prevent eye exposure. Where splashing is not likely, chemical safety glasses with side shields are recommended. Where splashing may occur, chemical goggles or full face shield is recommended.

- SKIN PROTECTION -

Gloves are not normally needed during normal conditions of use. If health effects are experienced, oil or chemical resistant gloves such as butyl or nitrile are recommended.

Where splashing or soaking is likely, wear oil or chemical resistant clothing to prevent exposure.

- RESPIRATORY PROTECTION -

A respirator may be worn to reduce exposure to vapors, dust, or mist. Select a NIOSH/MSHA approved respirator appropriate for the type and physical character of the airborne material. A self-contained breathing apparatus is recommended in all situations where airborne contaminant concentration has not been confirmed to be below safe levels. Respirator use should comply with the OSHA Respirator Protection Standard found in 29 CFR 1910.134.

ENGINEERING CONTROLS:

Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels. Ventilation should at a



PRODUCT NAME: AIRLUBE AF

minimum, prevent airborne concentrations from exceeding any exposure limits listed in Section 2 of this MSDS.

The user may wish to refer to 29 CFR 1910.1000(d)(2) and the ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices" (Appendix C) for the determination of exposure limits of mixtures. An industrial hygienist or similar professional may be consulted to confirm that the calculated exposure limits apply.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance	: Translucent green
Odor	: Odorless
Physical State	: Liquid
Water Solubility	: Soluble
Specific Gravity	: 1.080

SECTION 10 - STABILITY AND REACTIVITY

INCOMPATIBILITIES:

This product is incompatible with strong oxidizing agents.

DECOMPOSITION PRODUCTS MAY INCLUDE:

The product, as sold, is not expected to thermally decompose. Product residue however, may burn. Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solid liquid, particulates and gasses may evolve when the residues burn.

Byproducts of residue combustion may include:

- oxides of carbon,
- ammonia and oxides of nitrogen,
- incompletely burned hydrocarbons as fumes and smoke.

CONDITIONS TO AVOID:

Avoid contact with incompatible materials and exposure to extreme temperatures.

POLYMERIZATION:

This product is not expected to polymerize.

STABILITY:

This product is stable.

SECTION 11 - TOXICOLOGICAL INFORMATION

EYE EFFECTS:

No further toxicological data known.



PRODUCT NAME: AIRLUBE AF

SKIN EFFECTS:

No further toxicological data known.

ORAL EFFECTS:

This product contains a glycol that may be harmful if swallowed. Since ingestion is not expected during normal use however, this product is not expected to present a risk of hazardous exposure to this glycol. Symptoms of hazardous glycol ingestion may include headache, weakness, dizziness, staggering, slurred speech, loss of coordination, faintness, nausea, vomiting, an increased heart rate, decreased blood pressure, difficulty breathing and seeing, pulmonary edema, unconsciousness, and coma. These symptoms may be delayed. Ingestion of large amounts may cause decreased urine output, kidney failure and may be fatal in extreme cases. Hazardous aspiration into the lungs may occur during swallowing or vomiting.

No further toxicological data known.

INHALATION EFFECTS:

No further toxicological data known.

OTHER:

Overexposure of laboratory animals to a glycol contained in this product has been suggested to affect the animal liver. Human overexposure may potentially aggravate a pre-existing liver disorder.

No further data known.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

ENVIRONMENTAL FATE:

The degree of biodegradability and persistence of this product has not been determined.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. Note that use, mixture, processing, or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.



PRODUCT NAME: AIRLUBE AF

SECTION 14 - TRANSPORT INFORMATION

DOT HAZARDOUS MATERIAL INFORMATION:

* Not otherwise DOT regulated.

SECTION 15 - REGULATORY INFORMATION

FEDERAL REGULATIONS:

SARA 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Ethylene glycol

CAS# 107-21-1

PCT BY WT: < 60

CERCLA Reportable Quantity:

Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Releases of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.

Component	RQ
ethylene glycol	5000 pounds
Sodium hydroxide	1000 pounds

* - * - * - * - * - * - * - * - * - * - * - * - *

Toxic Substances Control Act:

The components of this product are listed on the TSCA Inventory.

Ozone Depleting Substances:

This product contains no ozone depleting substances as defined by the Clean Air Act.

Hazardous Air Pollutants:

Any components listed below are defined by the Federal EPA as hazardous air pollutants.

| Component |
|---|
| * - * - * - * - * - * - * - * - * - * - * - * |

STATE REGULATIONS:

No further data known.

SECTION 16 - OTHER INFORMATION

Prepared by : Corporate Regulatory Compliance

FUCHS LUBRICANTS CO.



PRODUCT NAME: AIRLUBE AF

Date of issue : 11/21/2012
Last Revision Date : 11/21/2012
451335

NOTICE: This MSDS provides a good faith representation of information believed to be accurate as of the last revision date. This document does not create any express or implied product warranties. Since conditions of use are beyond the control of Fuchs Lubricants Co., all risks associated with product use are assumed by the user.
