LUBRI-LOY®
PREMIUM LUBRICANTS & GREASES

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MATERIAL SAFETY DATA SHEET

17641M

LUBRI-LOY PREMIUM AIRLINE LUBRICANT

FOOD GRADE H1 MINERAL

LUBRI-LOY CATALOG #: 17641M & 177041M **DATE ISSUED:** 6/3/13 **REPLACES ISSUE:** 12/28/09

I PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

Product Name	**Lubri-Loy Premium Airline Lubricant, Food Grade H1 Mineral**
Lubri-Loy Catalog #'s	17641M & 177041M
Date Issued	6/3/13
Replaces Issue	12/28/09
24-Hr. Emergency Phone	CHEMTREC 800-424-9300

II COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT	CAS#
Mineral Oil, USP	8042-47-5
Antioxidant, Antiwear, Antifoam and Antirust Additives	

(See Section 8, "Exposure Controls/Personal Protection", for exposure guidelines.)

PLEASE NOTE THAT THE CHEMICAL IDENTITY Of SOME OR ALL OF THE ABOVE HAZARDOUS INGREDIENTS IS CONFIDENTIAL INFORMATION AND MAY BE WITHHELD AS PERMITTED BY 29CFR 1910.1200 AND VARIOUS STATE RIGHT TO KNOW LAWS.

	HEALTH	FLAMMABILITY	REACTIVITY
HMIS	0	1	0
NFPA	0	1	0

III HAZARD IDENTIFICATION

Emergency Overview	This product has been evaluated and does not require any hazard warning on the label under OSHA criteria. Low hazard for usual industrial or commercial handling by trained personnel.

POTENTIAL HEALTH EFFECTS:

Eyes	No significant health hazards identified.
Skin Contact	No significant health hazards identified.
Ingestion	Negligible effect; may act as a laxative.
Inhalation	No significant health hazards identified.

IV FIRST AID MEASURES

Eye Contact	Flush immediately with large amounts of water. If irritation occurs, call a physician.

Skin Contact	Wash exposed area of skin with soap and water. If skin irritation or an allergic reaction occurs, get medical attention.
Inhalation	If adverse effects occur, remove to uncontaminated area. Get medical attention if symptoms persist.
Ingestion	If symptomatic, call a physician or poison control center promptly.

V FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE PROPERTIES:

Flash Point	350°F (177°C) minimum
Method	Cleveland Open Cup
Auto-ignition Temperature	Not determined.
Flammable Limits	LEL (% vol. in air): Not determined. UEL (% vol. in air): Not determined.
Flammability Classification	Slight hazard. Material must be preheated before ignition will occur (OSHA Class IIIB).
Extinguishing Media	Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, foam, steam) or water fog. Do not use streams of water as this will scatter the liquid and spread the fire. A water spray may be used to keep fire-exposed containers and surroundings cool.
Unusual Fire and Explosion Hazards	May create dense smoke during combustion. Mild fire hazard when heated above its flash point.
Firefighting Equipment	Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.
Hazardous Combustion Products	Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

VI ACCIDENTAL RELEASE MEASURES

Keep out of sewers and treat as an oil spill. Evacuate all non-essential personnel. Dike around spilled material. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dispose of in accordance with current applicable laws and regulations and product characteristics at time of disposal or divert to recovery unit.

VII HANDLING AND STORAGE

Handling	No special requirements.
Storage	Store in a cool, well-ventilated area in sealed containers away from strong oxidizing agents or combustible material

VIII EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory	Avoid breathing mist. If ventilation is inadequate, use NIOSH/MSHA certified respirator that will protect against dust/mist.
Skin	None required; however, use of protective gloves/clothing is good industrial practice.
Eye	None required; however, use of eye protection is good industrial practice.
Engineering Controls	Control airborne concentrations below the exposure guidelines.
Exposure Limits	OSHA PEL: 5 mg/m3 (oil mist) (1989) (1971) ACGIH TLV-TWA: 5 mg/m3 (oil mist) ACGIH TLV-STEL: 10 mg/m3 (oil mist)

IX EXPOSURE CONTROLS AND PERSONAL PROTECTION

Appearance:	Colorless, oily liquid	**Odor:**	Slight odor.
Vapor Density (Air=1)	>1	**Boiling Point/Range:**	Not determined
pH:	Not determined	**Freezing/Melting Point:**	Not determined

Solubility:	Negligible in water (below 0.1%); soluble in hydrocarbons	**Vapor Pressure:**	< 1.0 mmHg @ 20°C (68°F)
Specific Gravity:	0.845 - 0.883 @ 25°C/25°C (77°F)		

X STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid	Extreme heat
Hazardous Polymerization	Will not occur
Hazardous Decomposition	None identified
Materials to Avoid	Chlorine, fluorine, and other strong oxidizers

XI TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE:

Eye Irritation	Testing not conducted. See Other Toxicity Data.
Skin Irritation	Testing not conducted. See Other Toxicity Data.
Respiratory Irritation	Testing not conducted. See Other Toxicity Data.
Dermal LD50	Testing not conducted. See Other Toxicity Data.
Oral LD50	Testing not conducted. See Other Toxicity Data.

OTHER TOXICITY DATA:

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

XII ECOLOGICAL INFORMATION

No definitive information available on ecological impact if product is released to the environment.

XIII DISPOSAL CONSIDERATIONS

Disposal must be in accordance with applicable federal, state, or local regulations. We recommend that containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. "Empty" drums should not be given to individuals.

XIV TRANSPORT INFORMATION

U.S. Department of Transportation: Not regulated.

XV REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4): Not Applicable

SARA TITLE III

Section 302 Extremely Hazardous	Not Applicable
Section 311/312	This product is defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).
Section 313	Not regulated
U.S. Inventory (TSCA)	All components comply with TSCA.

FOOD CONTACT STATUS:

FDA: This product is approved for use by the FDA under the following sections of 21 CFR: -Part 178.3570 as a lubricant for use on machinery with incidental food contact when used in accordance with the specifications of this subpart.

USDA: H1 STATUS:

This product is acceptable to the USDA as a lubricant with incidental food contact for use in official meat and poultry establishments.

XVI OTHER INFORMATION

Kosher Certification: This product is certified Kosher.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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Ingredients are listed in Section 2 if they present a physical or health hazard and are present at or above 1.0% in the mixture. If a ingredient is identified as a CARCINOGEN by NTP, IARC,ACGIH, or OSHA as of the date on the MSDS, it will be listed in Section 3 when present at or above 0.1% in the product. Negative statements concerning carcinogenicity are not reported. Other ingredients may be listed if deemed appropriate. Additional health information may be found in Section 3.