LUBRI-LOY®
PREMIUM LUBRICANTS & GREASES

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MATERIAL SAFETY DATA SHEET

WMO

LUBRI-LOY TECHNICAL GRADE WHITE MINERAL OIL

ISO 15, 22, 32, 46, 68, 100

LUBRI-LOY CATALOG #: WMO-015, WMO-015-640, WMO-022, WMO-022-640, WMO-032, WMO-032-640, WMO-046, WMO-046-640, WMO-068, WMO-068-640, WMO-100, WMO-100-640

DATE ISSUED: 8/01/07 **REPLACES ISSUE:** New Issue

I PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

Product Name	Lubri-Loy Technical Grade White Mineral Oil, ISO 15, 22, 32, 46, 68, 100
Lubri-Loy Catalog #'s	WMO-015, WMO-015-640, WMO-022, WMO-022-640, WMO-032, WMO-032-640, WMO-046, WMO-046-640, WMO-068, WMO-068-640, WMO-100, WMO-100-640
Chemical Name	Petroleum Hydrocarbon Oil
Date Issued	8/01/07
Replaces Issue	New Issue
24-Hr. Emergency Phone	CHEMTREC (800) 424-9300

II COMPONENTS AND HAZARD INFORMATION

Molecular Weight	Variable.
Molecular Formula	$CH_3[CH_2]_nCH_3$

COMPONENT	CAS #	RANGE BY WT.
Mineral Oil, Technical	8042-47-5	100%

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

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

NFPA Code	Health-0, Flammability-1, Reactivity-0
HMIS Code	Health-0, Flammability-1, Reactivity-0
Appearance and Odor	Colorless, oily liquid. Odorless.
pH	Not determined.
Vapor Pressure	< 1.0 mmHg @ 20°C (68°F)
Vapor Density (Air=1)	>1
Boiling Point	Not determined.
Melting Point	Not determined.
Solubility	Negligible in water (below 0.1%); soluble in hydrocarbons.
Specific Gravity	0.818 - 0.880 @ 25°C/25°C (77°F)

III HEALTH AND HAZARD INFORMATION

Emergency Overview	This product has been evaluated and does not require any hazard warning on the label under OSHA criteria
POTENTIAL HEALTH EFFECTS:	
Eye Contact	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 PRIMARY ROUTES OF ENTRY/EMERGENCY AND FIRST AID PROCEDURES

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

V FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point	280°F (138°C) minimum
Method Used	Cleveland Open Cup
Flammable Limits	LEL (% vol. in air): 0.9% UEL (% vol. in air): 7.0%.
Autoignition Temperature	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 toxic gases.

VI ACCIDENTAL RELEASE MEASURES

Remove mechanically or contain on an absorbent material such as dry sand or earth. Remove all sources of ignition. Dike around spilled material.

VII HANDLING AND STORAGE

Handling	No special requirements.
Storage	Store in a cool, well-ventilated area in sealed containers. Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

VIII PROTECTION AND PRECAUTIONS PRECAUTIONS-

Eye	None required; however, use of eye protection is good industrial practice.
Skin	None required; however, use of protective gloves/clothing is good industrial practice.
Inhalation	Avoid breathing mist. If ventilation is inadequate, use a NIOSH/MSHA certified respirator that will protect against dust/mist.

Engineering Controls	Control airborne concentrations below the exposure guidelines.

EXPOSURE GUIDELINES:

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 REACTIVITY

Stability	Stable.
Conditions to Avoid	Avoid excessive heat and open flames.
Materials to Avoid	Avoid chlorine, fluorine, and other strong oxidizers.
Hazardous Decomposition	None identified.
Hazardous Polymerization	Will not occur.

X TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA:

Eye Irritation	Testing not conducted. See Other Toxicity Data.
Skin 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.
Inhalation LC50	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.

A similar product produced a primary eye irritation score (PEIS) of less than 10/110.0 (rabbits), a primary skin irritation score (PDIS) of less than 4.0/8.0 (rabbits), a dermal LD50 greater than 2000 mg/kg (rabbits), and an oral LD50 score greater than 5000 mg/kg (rats). Also, a similar product was not a skin sensitizer when tested.

Oil mist: Repeated exposure to levels of oil mists in excess of the exposure limits may result in accumulation of oil droplets in pulmonary tissue and may lead to irritation of the nose and throat. No adverse health effect is expected to occur at or below the exposure limits.

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).

XI ECOLOGICAL INFORMATION

Not evaluated at this time.

XII DISPOSAL CONSIDERATIONS

Disposal must be in accordance with applicable federal, state, or local regulations.

XIII TRANSPORTATION INFORMATION

U.S. Department of Transportation	Not regulated.

INTERNATIONAL INFORMATION:

Canadian Transportation of Dangerous Goods	Not regulated.

XIV REGULATORY INFORMATION

CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4)	Not reportable.
SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355)	Not regulated.
SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370)	This product is defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).
SARA Title III Section 313 (40 CFR Part 372)	Not regulated.
U.S. Inventory (TSCA)	Listed on inventory. All components comply with TSCA.
OSHA Hazard Communication Standard	Listed by ACGIH. Listed by OSHA.

FOOD CONTACT STATUS:

FDA	This product is approved for use by the FDA under the following sections of 21 CFR: -Part 178.3620 as a component of nonfood articles in contact with food when used in accordance with the specifications of this subpart. -Part 573.680 in animal feed, subject to the provisions 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.

XV OTHER INFORMATION

The information and recommendations herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. APR does not warrant or guarantee their accuracy or reliability, and shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal counsel should be consulted to insure proper health, safety, environmental, and other necessary information is included on the container.