LUBRI-LOY®
PREMIUM LUBRICANTS & GREASES

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MATERIAL SAFETY DATA SHEET

COS

LUBRI-LOY ROTARY COMPRESSOR OIL

LUBRI-LOY CATALOG #: COS-022, COS-022-640, COS-032, COS-032-640, COS-046, COS-046-640, COS-068, COS-068-640, COS-100, COS-100-640, COS-150, COS-150-640, COS-220, COS-220-640, COS-320, COS-320-640, COS-460, COS-460-640

DATE ISSUED: 4/05/13 **REPLACES ISSUE:** 5/15/12

I PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

Product Name	Lubri-Loy **Rotary Compressor Oil**
Lubri-Loy Catalog #'s	COS-022, COS-022-640, COS-032, COS-032-640, COS-046, COS-046-640, COS-068, COS-068-640, COS-100, COS-100-640, COS-150, COS-150-640, COS-220, COS-220-640, COS-320, COS-320-640, COS-460, COS-460-640
Chemical Family	Lubricant
Date Issued	4/05/13
Replaces Issue	5/15/12
24-Hr. Emergency Phone	CHEMTREC (800) 424-9300

II HEALTH AND HAZARD INFORMATION

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration are considered to be hazardous to health

Appearance	Amber colored liquid, Transparent, yellow tinted fluid
Physical State	Viscous liquid
Odor	Mild petroleum odor

POTENTIAL HEALTH EFFECTS

Principle Routes of Exposure	Skin contact, ingestion, inhalation or injection
Acute Toxicity Eyes	Can be irritating to eyes. If contact occurs, flush with water for 30 minutes. Get medical attention if eye irritation persists.
Skin	Avoid excessive contact with skin. Always wash skin and soiled clothing with soap and water after exposure.
Inhalation	Remove exposed person to fresh air if adverse effects are observed. Do not induce vomiting. Get medical attention.
Ingestion	Always use proper personal protective equipment for petroleum based products if a spill occurs.

CHRONIC EFFECTS ENVIRONMENTAL HAZARD

Quarantine affected area, prevent spill from entry into sewers and waterways. Pick up free and residual liquid for proper disposal and/or recycling.

Always follow proper local, state, and federal guidelines for clean up and disposal for motor oil and other petroleum products.

III COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	Synthetic hydrocarbon lubricating fluid.

IV FIRST AID PROCEDURES

General Advice	No hazards which require special first aid measures.
Eye Contact	Flush eyes for 30 minutes with water. Get medical attention if irritation persists.
Skin Contact	Wash off immediately with soap and plenty of water.
Inhalation	Move exposed persons to fresh air. Consult medical personal if breathing issues occur.
Injestion	Do NOT induce vomiting. Consult a physician.

V FIRE AND EXPLOSION HAZARD INFORMATION

Flammable Properties	Material is not considered to be flammable or combustable due to the material's flash point being above 200 degrees F.
Suitable Extinguishing Media	Carbon dioxide (CO2). Dry chemical. Foam. Water can be used to keep surrounding materials cool.
Large Fires	Contact emergency personnel

VI ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with the skin and the eyes. Eye protection or face shield should be used if material is used under conditions that increase the chances of splattering. Wash skin with soap and water if contact occurs. Launder soiled clothing. If spilled, take caution, as material can cause surfaces to become very slippery.
Methods of Containment	Cover with earth, sand, or other non-combustible material followed with plastic sheets to minimize spreading or contact with rain.
Methods for Cleaning Up	Excess liquid material can be collected using a scoop or shovel and stored for recycling or disposal. Prevent material from entering drains or waterways.

VII HANDLING AND STORAGE

HANDLING: Avoid contact with skin, eyes and clothing. Eye protection or face shield should be used if material is used under conditions that increase the chances of splattering. If contact is made, wash skin with soap and water. Launder soiled clothing. Maximum handling temperature is 70 degrees C (158 F). It is recommended to pump or transfer material at ambient temperature.

STORAGE: Keep away from heat and sources of ignition. Keep containers closed when not in use. Follow first aid measures if contact occurs, and spill procedures if spill occurs. For packaged material: Store in a cool dry area. For bulk material: store in cool dry area. Always follow local, state, and federal guidlines for storage of material for amount stored.

VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME	ACGIH TLV	OSHA PEL ??	NIOSH IDLH
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7 ?			
Petroleum distillates, solvent- refined heavy paraffinic 64741-88-4 ??			

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection	If splashes are likely to occur, wear:. Goggles. Eye/Face Protection.

Skin and Body Protection	Long sleeved clothing. Protective gloves can be worn, if material comes in contact with skin wash with soap and water.
Hygiene Measures	Remove and wash contaminated clothing before re-use.

IX PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber colored liquid Transparent, yellow tinted fluid
Odor	Mild petroleum odor
Physical State	Viscous liquid
Autoignition Temperature	No information available
Boiling Point/Range	No information available
Flammability Limits in Air	No information available
Exposure Limits	No information available
Solubility	No information available
Evaporation Rate	No information available
Vapor Pressure	No information available
Vapor Density	No information available.
Viscosity at 40C (ASTM D-445), cSt	22.0 - 150.0
Viscosity at 100C (ASTM D- 445), cSt	4.5 - 18.8

X STABILITY AND REACTIVITY

STABILITY	Stableunder normal conditions.

XI TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGY

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
Petroleum distillates, hydrotreated heavy paraffinic ??	2000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h
Petroleum distillates, solvent-refined heavy paraffinic	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h

CHRONIC TOXICITY

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated heavy paraffinic		Group 1		X
Petroleum distillates, solvent-refined heavy paraffinic		Group 1		X

XII ECOLOGICAL INFORMATION

ECOTOXICITY

CHEMICAL NAME	TOXICITY TO ALGAE	TOXICITY TO FISH	MICROTOX	DAPHNIA MAGNA (WATER FLEA)
Petroleum distillates, hydrotreated heavy paraffinic ?	LC50> 5000 mg/L Pimephales promelas 96 h			EC50 > 1000 mg/L 48 h

CHEMICAL NAME	TOXICITY TO ALGAE	TOXICITY TO FISH	MICROTOX	DAPHNIA MAGNA (WATER FLEA)
Petroleum distillates, solvent-refined heavy paraffinic	LC50> 5000 mg/L Oncorhynchus mykiss 96 h			EC50 > 1000 mg/L 48 h

XIII DISPOSAL CONSIDERATION

CHEMICAL NAME

Petroleum distillates, hydrotreated heavy paraffinic - 64742-54-7

Petroleum distillates, solvent-refined heavy paraffinic - 64741-88-4

CHEMICAL NAME	RCRA - HALOGENATED ORGANIC COMPOUNDS	RCRA - P SERIES WASTES	RCRA - F SERIES WASTES	RCRA - K SERIES WASTES
Petroleum distillates, hydrotreated heavy paraffinic - 64742-54-7				

XIV TRANSPORT INFORMATION

DOT	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

XV REGULATORY INFORMATION

NTERNATIONAL INVENTORIES

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not Comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. FEDERAL REGULATIONS

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 HAZARD CATEGORIES

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CLEAN WATER ACT

CERCLA

U.S. STATE REGULATIONS

INTERNATIONAL REGULATIONS

Mexico - Grade	No information

CANADA

WHMIS Hazard Class-	Not determined

XVI OTHER INFORMATION

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Lubri-Loy, Inc. makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Lubri-Loy, Inc. be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers.