

# PREMIERCARE by RTI

## MO-500

Mineral Oil Ester Refrigeration Compressor Lubricant

### MATERIAL SAFETY DATA SHEET

Emergency Phone Number: 717-840-0678

Date : January 27, 2000.

#### SECTION 1

Company Name:  
Address:  
Phone / Fax:  
Trade Name:  
Chemical Name:  
Chemical Family:  
Formula:  
CAS#:  
Applications:

#### COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

RTI Technologies, Inc.  
4075 East Market Street, York, PA 17402  
717-840-0678 / 717-755-8304  
MO-500  
Petroleum Hydrocarbon  
Petroleum Hydrocarbon  
Proprietary  
Proprietary  
MO-500 is used as a fluid in CFC, HCFC, and other refrigeration systems.

#### SECTION 2

General:  
FDA Statement:

#### COMPOSITION / INFORMATION ON INGREDIENTS

This Product is NON-HAZARDOUS. The product contains No Known Carcinogens. No Special Warning Labels Are Required Under OSHA 29 CFR 1910.1200.  
N/A

#### SECTION 3

Appearance:  
Known Hazards:

#### HAZARDS IDENTIFICATION

Clear liquid, Very slight yellow tint.  
This product does not require any special warning labels under OSHA 29 CFR 1910.1200 and contains no known hazardous ingredients.

#### SECTION 4

Eyes:  
Skin:  
Inhalation:  
Ingestion:

#### FIRST AID MEASURES

Flush with clean, lukewarm water (low pressure) occasionally lifting eyelids. Physician assessment if eyes are inflamed.  
Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse.  
Avoid breathing oil mists. Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Get medical attention.  
Do not induce vomiting. Force fluids. Has laxative effect.

#### SECTION 5

Flash Point:  
Flammable Limits:  
Auto Ignition Temp:  
Fire & Explosion Hazards:  
Extinguishing Media:  
Fire Fighting Procedures:

#### FIRE FIGHTING MEASURES

490 °F min  
N/A  
N/A  
LOW FIRE HAZARD - Do not cut, drill, or weld empty containers  
Dry chemical foam, water spray, carbon dioxide for small fires.  
Contain liquid, cover with extinguishing agent, use water spray to cool fire exposed containers and as protective screen. Do not point solid water stream directly into burning fluid to avoid spreading.

#### SECTION 6

Spill or Leak:  
Waste Disposal:

#### ACCIDENTAL RELEASE MEASURES

Contain Spill, absorb with inert absorbent such as dry clay, sand, or diatomaceous earth, commercial sorbents or recover using pumps. Scoop up used absorbents into approved receptacles.  
Dispose in approved, secure landfill site or through a licensed waste reclaimer.

**SECTION 7**

Storage Temp - min / max:  
 Shelf Life:  
 Precautions:

**HANDLING AND STORAGE**

None / 104 °F recommended  
 Indefinite in original container  
 Not for internal use. Avoid contact with skin, eyes, clothing.

**SECTION 8**

Eye Protection:

**EXPOSURE CONTROL / PERSONAL PROTECTION**

Normally none required. Chemical goggles if splashing is likely or high pressure systems are used.

Skin Protection:

Normally none required, for direct contact of more than 2 hours, PVC or Nitrile gloves are recommended.

Respiratory Protection:

Normally not necessary. If mist is generated, wear approved organic respirator suitable for oil mist areas with sufficient oxygen.

Ventilation:

General ventilation.

Exposure Limits:

Acute LD<sub>50</sub> > 5000 mg/Kg (rat : oral) **PRACTICALLY NON TOXIC**

**SECTION 9**

Appearance:

**PHYSICAL AND CHEMICAL PROPERTIES**

Clear liquid, Very slight yellow tint.

Boiling Point:

>570 °F

Vapor Pressure:

<0.001 kPa @ 25 °C

Specific Gravity:

0.85-.089

Volatilities, % Volume

0%

Odor:

Very slight hydrocarbon odor

Solubility in Water:

Negligible

Evaporation Rate:

Nil

Viscosity:

@40 °C Varies depending on grade

**SECTION 10**

Stability:

**REACTIVITY**

Product is STABLE

Hazardous Polymerization:

Will not occur

Incompatibilities:

Strong oxidizers

Decomposition Products:

Analogous compounds evolve, carbon monoxide, carbon dioxide, and other undefined fragments when burned.

**SECTION 11**

General:

**TOXICOLOGICAL INFORMATION**

Acute LD<sub>50</sub> > 5000 mg / Kg (rat : oral) **PRACTICALLY NON TOXIC**. Negative when tested by modified Ames test for carcinogenicity.

**SECTION 12**

General:

**ECOLOGICAL INFORMATION**

N / A

**SECTION 13**

Waste Disposal:

**DISPOSAL CONSIDERATIONS**

Used product must be disposed of in accordance with Federal, State, and Local environmental control regulations. Incineration is preferred.  
**DO NOT HEAT OR CUT EMPTY CONTAINERS WITH ELECTRIC OR GAS TORCH.**

**SECTION 14**

Technical Name:

**TRANSPORTATION INFORMATION**

Petroleum Hydrocarbon

D.O.T. Hazard Class:

Not Regulated

U.N. / N.A. #

Not Regulated

Product Label:

MO-500

**SECTION 15**

OSHA STATUS:

**REGULATORY INFORMATION**

Non Hazardous under 29 CFR 1910.1200

TSCA STATUS:

N/A

RCRA STATUS:

If discarded in its purchased form this product would not be a hazardous waste either by listing or characteristic. However it is the responsibility of the product user to determine at the time of disposal, whether the material being disposed of is a hazardous waste (40 CFR 261.20-24).

**SECTION 16**

General:

**OTHER INFORMATION**

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of RTI Technologies, Inc. The data on this sheet related only to the specific material designed herein. RTI Technologies, Inc. assumes no legal responsibility for the use or reliance upon these data.

Prepared by - J J Sandler. 01/27/00.