



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

5250-A Naiman Parkway, Solon, OH 44139 • 888-567-2206 • www.chromate.com

**FOR CHEMICAL
EMERGENCY**

Call ChemTrec day/night:
1-800-424-9300

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RED LION POE 100 UV, 32 OZ.

DATE PREPARED: AUGUST 25, 2008

PART NUMBER: 74390

PRODUCT TYPE:

CHROMATE INDUSTRIAL CORPORATION

CHEM. FAMILY: Refrigerant Oil

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SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

| Component | WT,% | OSHA TWA | OSHA STEL | OSHA SKIN |
|-----------------------------|---------------|----------------|-------------------|----------------|
| ESTER PROPIETARY INHIBITOR | 0-20 | N/L | N/L | N/L |
| Package—Mixture | | | | |
| ESTER PROPIETARY BASE STOCK | 20-80 | N/L | N/L | N/L |
| Mixture | | | | |
| Component | WT,% | OSHA Z PEL | OSHA Z TWA | OSHA Z Ceiling |
| ESTER PROPIETARY INHIBITOR | 0-20 | N/L | N/L | N/L |
| Package—Mixture | | | | |
| ESTER PROPIETARY BASE STOCK | 20-80 | N/L | N/L | N/L |
| Mixture | | | | |
| Component | ACGIH TLV TWA | ACGIH TLV STEL | ACGIH TLV Ceiling | |
| ESTER PROPIETARY INHIBITOR | N/L | N/L | N/L | |
| Package—Mixture | | | | |
| ESTER PROPIETARY BASE STOCK | N/L | N/L | N/L | |
| Mixture | | | | |

OTHER: Contains no ingredients in concentrations greater than 0.1% that are now known to be hazardous as defined by OSHA. Castrol is registered in the U.S. Patent and Trademark Office.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Ingestion of this product may cause gastrointestinal distress with symptoms of nausea, vomiting, diarrhea and abdominal pain. May cause irritation to skin and eyes.

HMIS Classification: Health: 1 Flammability: 1 Physical Hazard: 0
NFPA Rating: Health: 1 Flammability: 1 Reactivity: 0

SECTION 4 – FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical attention if irritation persists.

Ingestion: DO NOT INDUCE VOMITING. Give nothing by mouth. Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Skin Contact: Remove contaminated clothing and shoes, and launder before reuse. Get medical attention if irritation persists. Wash with soap and water. Use skin cream for defatted areas.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 5 – FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES:****Flash Point °F(°C):** >482°F (<250°C)**Flash Point Method:** COC**Flammable Limits in Air - Lower (%):** N/D**Flammable Limits in Air - Upper (%):** N/D**Autoignition Temperature °F(°C):** N/D**Extinguishing Media:** Carbon dioxide. Dry chemical. Foam.**PROTECTION OF FIRE-FIGHTERS:****Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing.
Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.**Hazardous Combustion Products:** Oxides of carbon, nitrogen and phosphorus.**Aerosol Comments:** N/A**SECTION 6 – ACCIDENTAL RELEASE MEASURES****Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.**Spill Procedures:** Wear protective equipment specified. Contain any liquid from leaking containers.**Action to be taken if material is released or spilled:** Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials. Wash walking surfaces with detergent and water to reduce slipping hazard.**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters.**SECTION 7 – HANDLING AND STORAGE****Handling and Storage:** Avoid contact with eyes. Keep containers tightly closed when not in use. Use only in a well ventilated area. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Contaminated disposable clothing should be discarded in accordance with local, state and federal rules. Wash thoroughly after handling. Do Not Swallow. Store at room temperature. Avoid prolonged/repeated breathing of vapors mists or fumes.**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION****Engineering Controls:** Showers. Eyewash stations. Use local exhaust.**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.**Skin Protection:** Neoprene coated apron or clothing.**Respiratory Protection:** Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.**SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS****Appearance:** Neon green liquid**Odor:** MILD ETHER**pH Value:** N/D**Vapor Pressure:** N/D**Vapor Density (Air=1):** N/D**Boiling Point (°F):** >300°C**Melting/Freezing Point:** N/D**Solubility in Water:** INSOLUBLE**Bulk Density at 20°C:** N/D**Molecular Weight:** Mixture**Specific Gravity (H₂O=1):** . 1.04 @60°F**Viscosity:** 100cSt@40°C**Evaporation Rate: (Butyl Acetate = 1):** N/D**VOC Content(%):** N/D**Decomposition Temperature:** Not Known

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of handling, use and transportation.
Conditions to Avoid: High temperatures.
Materials to Avoid: Strong oxidizing agents.
Hazardous Decomposition Products: Oxides of nitrogen. Oxides of sulfur. Oxides of carbon.
Hazardous Polymerization: WILL NOT OCCUR.

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

| Component | Route | Species | Dose |
|---|------------|---------|-----------|
| ESTER PROPIETARY INHIBITOR Package—Mixture | Inhalation | Rats | Not Known |
| ESTER PROPIETARY BASE STOCK Mixture | Inhalation | Rats | Not Known |

CARCINOGENICITY:

| Component | IARC | NTP | OSHA |
|---|------|-----|------|
| ESTER PROPIETARY INHIBITOR Package—Mixture | N/L | N/L | N/L |
| ESTER PROPIETARY BASE STOCK Mixture | N/L | N/L | N/L |

Comments: No component known to be present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

SECTION 12 – ECOLOGICAL INFORMATION

Remarks: Ecological testing has not been conducted on this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Classification: This product as purchased does not fall under current U.S. EPA RCRA definitions of hazardous waste. Under RCRA it is the generator's responsibility to determine the status of the waste at the time of its disposal. This product does not contain any CERCLA regulated materials.

Waste Management: Not determined.

Disposal Method: Disposal should be made in accordance with federal, state and local regulations.

SECTION 14 – TRANSPORT INFORMATION

U.S. DOT:

Proper Shipping Name: N/R
Hazard Class: N/A
UN/NA Number: N/A
DOT Packing Group: N/A

IMDG:

Proper Shipping Name: N/R
Hazard Class: N/A
Hazard Sub-class: N/A
UN No.: N/A
Packing Group: N/A
Marine Pollutant: No

SECTION 15 – REGULATORY INFORMATION

US FEDERAL REGULATIONS:

| Component | SARA 313 | SARA 302 | TPQ | RQ |
|---|----------|----------|-----|-----|
| ESTER PROPIETARY INHIBITOR Package—Mixture | N/L | N/L | N/L | N/L |
| ESTER PROPIETARY BASE STOCK Mixture | N/L | N/L | N/L | N/L |

US OSHA HEALTH CLASSIFICATION: Hazardous per OSHA 29 CFR 1910.1200

SARA 311/312 Hazard Categories: *Immediate Health:* Yes *Delayed Health:* No
Fire: No *Reactive:* No *Pressure:* No

STATE REGULATIONS:

| Component | Calif—Prop. 65 Cancer list | Calif—Prop 65 Developmental Toxicity | Calif— Prop 65 Reproductive Female | Calif—Prop 65 Reproductive Male |
|---|-------------------------------|---|---------------------------------------|------------------------------------|
| ESTER PROPIETARY INHIBITOR Package—Mixture | N/L | N/L | N/L | N/L |
| ESTER PROPIETARY BASE STOCK Mixture | N/L | N/L | N/L | N/L |

U.S. TSCA: One or more components of this product is not listed on the TSCA Inventory.

Canadian Inventory: One or more components of this product is not listed on the Canadian DSL or NDSL Inventory.

SECTION 16 – OTHER INFORMATION

General Notes: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

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