



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 PAG 100

DATE PREPARED: AUGUST 06, 2008

PART NUMBER: 74392

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
PAG PROPRIETARY BASE STOCK Mixture	20-80	N/L	N/L	N/L
PAG PROPRIETARY INHIBITOR Package—Mixture	0-20	N/L	N/L	N/L
Component	WT.%	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
PAG PROPRIETARY BASE STOCK Mixture	20-80	N/L	N/L	N/L
PAG PROPRIETARY INHIBITOR Package—Mixture	0-20	N/L	N/L	N/L
Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling	
PAG PROPRIETARY BASE STOCK Mixture	N/L	N/L	N/L	
PAG PROPRIETARY INHIBITOR Package—Mixture	N/L	N/L	N/L	

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This material is irritating to skin, eyes and mucous membranes. Ingestion of this product may cause gastrointestinal distress with symptoms of nausea, vomiting, diarrhea and abdominal pain.

HMIS Classification: Health: 2 Flammability: 1 Physical Hazard: 0
NFPA Rating: Health: 2 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. Wash with soap and water. Get medical attention if irritation persists. Use skin cream for defatted areas

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point °F(°C): 400°F (204.4°C)

Flash Point Method: PMCC

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: Contain any liquid from leaking containers. Wear protective equipment specified.

Action to be taken if material is released or spilled: Wash walking surfaces with detergent and water to reduce slipping hazard.
Absorb spill with inert material such as perlite, vermiculite, sand or dirt.
Place in double polyethylene bags. Isolate from other waste materials. Clean up small spills and leaks immediately.

Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

SECTION 7 – HANDLING AND STORAGE

Handling and Storage: Use only in a well ventilated area. Avoid contact with eyes. 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. Keep containers tightly closed when not in use.
Wash thoroughly after handling. Store at room temperature. Do Not Swallow. 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: Clear to light yellow liquid

Odor: SLIGHT HYDROCARBON

pH Value: N/D

Vapor Pressure: <0.01 mm Hg @ 20°C

Vapor Density (Air=1): 9

Boiling Point (°F): >392°F (>200°C)

Melting/Freezing Point: -51°F (-46°C)

Solubility in Water: 100%

Bulk Density at 20°C: N/D

Molecular Weight: Mixture

Specific Gravity (H₂O=1): . 1.035 @ 60°F

Viscosity: N/D

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
PAG PROPRIETARY BASE STOCK Mixture	Inhalation	Rats	Not Known
PAG PROPRIETARY INHIBITOR Package—Mixture	Inhalation	Rats	Not Known

CARCINOGENICITY:

Component	IARC	NTP	OSHA
PAG PROPRIETARY BASE STOCK Mixture	N/L	N/L	N/L
PAG PROPRIETARY INHIBITOR Package—Mixture	N/L	N/L	N/L

Comments: No component known to be present in this product at >.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 (40 CFR 268.)

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
PAG PROPRIETARY BASE STOCK Mixture	N/L	N/L	N/L	N/L
PAG PROPRIETARY INHIBITOR Package—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
PAG PROPRIETARY BASE STOCK Mixture	N/L	N/L	N/L	N/L
PAG PROPRIETARY INHIBITOR Package—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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