



# 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 PAG46

DATE PREPARED: AUGUST 06, 2008

PART NUMBER: 74391

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:** May cause allergic skin reaction. Causes eye and skin irritation. Vapor, aerosol or mist of the product and thermal degradation products generated at high temperatures can be irritating and harmful if inhaled.

**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. May cause mild eye irritation.

**Ingestion:** No evidence of harmful effects from available information.

**Inhalation:** Not a hazard under normal use conditions. Remove from source of exposure. If signs of irritation or toxicity occur seek medical attention.

**Skin Contact:** Remove contaminated clothing and shoes, and launder before reuse. Wash with soap and water.

**SECTION 5 – FIRE FIGHTING MEASURES****FLAMMABLE PROPERTIES:****Flash Point °F(°C):** 340°F(171.1°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:** Water fog, carbon dioxide, foam, dry chemical. If water is used, use with care to avoid possible violent production of steam.**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:** Carbon Dioxide. Carbon Monoxide. 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. 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. Keep containers tightly closed when not in use. Wash thoroughly after handling.  
Do Not Swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists.**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION****Engineering Controls:** Showers. Eyewash stations. Local exhaust ventilation as necessary to maintain exposures to within applicable limits.**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.**Skin Protection:** Use chemical resistant gloves for prolonged skin contact.**Respiratory Protection:** Not normally needed, if controls are adequate. If needed, use MSHA-NIOSH approved respirator for organic vapors.**SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS****Appearance:** Clear to light yellow liquid**Odor:** MILD**pH Value:** 5.6**Vapor Pressure:** <0.01 mm Hg @ 20°C**Vapor Density (Air=1):** >10**Boiling Point (°F):** >200°C**Melting/Freezing Point:** -45°C**Solubility in Water:** <0.5%**Bulk Density at 20°C:** N/D**Molecular Weight:** Mixture**Specific Gravity (H<sub>2</sub>O=1):** .99-1**Viscosity:** N/D**Evaporation Rate: (Butyl Acetate = 1):** <0.01**VOC Content(%):** N/D**Decomposition Temperature:** Not Known

**SECTION 10 – STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at normal conditions  
**Conditions to Avoid:** None anticipated  
**Materials to Avoid:** Alkali metals. Strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide. Oxides of phosphorus.  
**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:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines are found in 40 CFR 261.3. Additionally, state and local rules may apply.  
**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
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: Yes*  
*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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