



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

I - Product Identification

PRODUCT NAME: Red Lion High Performance Safe-Acid Cleaner DATE PREPARED: December 18, 2014
 PART NUMBER: 74615 (1 Quart), 74616 (1 Gallon), 74617 (5 Gallon), 74618 (55 Gallon) CHROMATE INDUSTRIAL CORPORATION
 5250-A Naiman Parkway, Solon, OH, 44139
 CHEMICAL FORMULATION: Water based cleaner concentrate. 888-567-2206
 www.chromate.com

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0
 HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Organic salt	10.0-20.0	N/E	N/E	N	N	N	506-89-8

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
 N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D SPECIFIC GRAVITY (WATER = 1): 1.03
 VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): <1.0
 VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D
 SOLUBILITY IN WATER: Soluble pH: 0.2-1.2
 APPEARANCE AND ODOR: Clear, dark green liquid; pleasant odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A (TEST METHOD): Closed cup
 FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A
 EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical.
 SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.
 UNUSUAL FIRE AND EXPLOSION HAZARD: Hydrogen gas may be released upon contact with certain metals at sustained temperatures above 140°F.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers and alkalis, chlorates, nitrates.

CONDITIONS TO AVOID: Excess heat and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon, nitrogen and chlorine.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE

IF IN EYES: May be painful and irritating.

IF ON SKIN: Irritation, with prolonged or repeated exposure. Non-corrosive to skin.

IF SWALLOWED: May be harmful if ingested.

IF INHALED: Irritation to the respiratory tract if inhaled as a mist.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.

IF ON SKIN: Wash with soap and water. Remove contaminated clothing and launder separately before reuse. If irritation persists, obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting.

IF INHALED: Remove person to fresh air. If breathing has stopped administer artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spill and ventilate area. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists.

VENTILATION: **LOCAL:** Recommended **MECHANICAL:** Not required

PROTECTIVE GLOVES: Chemical resistant gloves are recommended.

EYE PROTECTION: Safety glasses or chemical goggles are recommended.

OTHER PROTECTIVE EQUIPMENT: Safety shower and eye wash station, protective clothing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from alkaline products. Do not mix with any other cleaning chemicals. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT ID #: None DOT PROPER SHIPPING NAME: None

DOT CLASS: None DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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