



# MATERIAL SAFETY DATA SHEET

## CHROMATE INDUSTRIAL CORPORATION®

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FOR CHEMICAL  
EMERGENCY  
Call Chemtrec day/night:  
1-800-424-9300

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: H.D. Citrus Cleaner  
RED LION PART NUMBER: 74215 - 74219 and 74600  
PRODUCT TYPE: Cleaner  
CHEMICAL FAMILY: Surfactant Blend

DATE PREPARED: 9/1/96

CHROMATE INDUSTRIAL CORPORATION  
100 DaVinci Drive, Bohemia, NY 11716 • (516) 567-2200

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	ACGIH TLV	CAS #
Nonionic Surfactant (Blend)	to 10	N/D	Mixture
Potassium Hydroxide*	to 5	2mg/m <sup>3</sup>	1310-58-3
Orange Terpene	to 3	N/D	5989-27-5
EDTA	to 3	N/D	64-02-8
Water	to 87	None	7732-18-5

\* An asterisk (\*) indicates the toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

### 3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Inhalation, Ingestion, Skin, Eyes

EFFECTS OF OVEREXPOSURE:

**INHALATION:** May cause irritation to upper tract.

**INGESTION:** May cause irritation of mucous membranes.

**SKIN CONTACT:** May cause irritation.

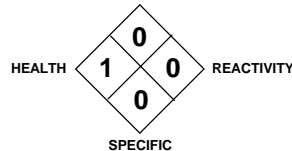
**EYE CONTACT:** May cause irritation.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Person with present skin disorder may be more susceptible to irritation.

### HAZARD RATINGS

NFR: FLAMMABILITY



HMIS: ① HEALTH  
① FLAMMABILITY  
① REACTIVITY  
B PROTECTION

### 4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

**INHALATION:** Remove to fresh air.

**INGESTION:** DO NOT INDUCE VOMITING. Drink plenty of water. If unconscious or in convulsion, take to a hospital or physician.

**SKIN CONTACT:** Wash off with soap and water.

**EYE CONTACT:** Flush with running water for 15 minutes.

### 5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD USE): Exceeds 200°F FLAMMABLE LIMITS: Nonflammable LEL N/D UEL N/D

EXTINGUISHING MEDIA: Water, CO<sub>2</sub>.

FIRE FIGHTING PROCEDURES: Floor may be slippery

UNUSUAL AND EXPLOSION HAZARDS: None

### 6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Dike & contain spill, absorb the liquid.

### 7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. For institutional and industrial use only. For use by trained personnel only. Store and keep in closed container, in a cool place. Avoid freezing. Use only in well ventilated area.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY: No special requirements.

SKIN PROTECTION: Chemical resistant gloves.

EYE PROTECTION: Goggles or face shield.

EXPOSURE GUIDELINES: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Good general ventilation should be sufficient for most condition.

ENGINEERING CONTROLS: No data available.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****BOILING POINT:** 212-220°F**VAPOR PRESSURE (mm Hg):** N/D**VAPOR DENSITY (AIR = 1):** Same as water**SOLUBILITY IN WATER:** Complete**PERCENT VOLATILE BY VOLUME:** 87-89**APPEARANCE AND ODOR:** Orange Liquid, Citrus Odor**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.03**MELTING POINT:** N/A**pH:** 12-13**EVAPORATION RATE (BUTYL ACETATE = 1):** N/A**FORM:** Liquid    **VOLATILE COMPONENTS:** N/D

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**10. STABILITY AND REACTIVITY****STABILITY:** Stable**HAZARDOUS POLYMERIZATION:** Will not occur**INCOMPATIBILITY (MATERIALS TO AVOID):** None**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Normal products of combustion

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**11. TOXICOLOGICAL INFORMATION****EYE:** No data available.**SKIN:** No data available.**INGESTION:** No data available.**INHALATION:** No data available.**SUBCHRONIC:** No data available.**CHRONIC CARCINOGENICITY:****CARCINOGENICITY: NTP:** Not Listed**IARC MONOGRAPH:** Not Listed**OSHA REGULATED:** Not Regulated**TERATOLOGY:** No data available.**REPRODUCTION:** No data available.**MUTAGENICITY:** No data available.

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**12. ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION:** No data available.**CHEMICAL FATE INFORMATION:** No data available.

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**13. DISPOSAL CONSIDERATIONS****RCRA HAZARD CLASS:** No data available.**WASTE DISPOSAL METHOD:** Scoop or shovel solid material into a suitable container for recovery or disposal. Area may become slippery. Flush cleaned area with water. Dispose according to local, state and federal requirements.

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**14. TRANSPORT INFORMATION****TRANSPORTATION REQUIREMENTS (49CFR172-101)****D.O.T. CLASSIFICATION:** None**D.O.T. SHIPPING NAME:** None

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**15. REGULATORY INFORMATION****EXPOSURE LIMITS:** No data available.

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**16. OTHER INFORMATION**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

**MSDS STATUS:** Revised 9/1/96