



# MATERIAL SAFETY DATA SHEET

## CHROMATE INDUSTRIAL CORPORATION®

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**FOR CHEMICAL  
EMERGENCY**

Call ChemTrec day/night:  
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### PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** RED LION DIS-N-CLEAN  
**PART NUMBER:** 74188

**DATE PREPARED:** February 9, 2009  
**CHROMATE INDUSTRIAL CORPORATION**  
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**DOT Hazard Classification:** ORM-D  
**NOTICE:** JUDGEMENT BASED ON INDIRECT TEST DATA

### SECTION 1 – MATERIAL IDENTIFICATION AND INFORMATION

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

**NFPA RATING:** Health: 1 Flammability: 1 Reactivity: 0 Special: -  
**HMS RATING:** Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: B

COMPONENTS- CHEMICAL NAMES/COMMON NAMES <small>(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)</small>	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	CARCINOGEN Ref. Source **
ISOBUTANE	75-28-5	No	800	800	d
DIETHYLENE GLYCOL ETHYL ETHER	111-90-0	Yes	N/E	N/E	d
2-BUTOXYETHANOL *	111-76-2	Yes	25 (skin)	20 (skin)	d
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE	64-02-8	No	N/E	N/E	d

\*GLYCOL ETHER

### SECTION 2 – PHYSICAL / CHEMICAL CHARACTERISTICS

**Boiling Point:** N/A  
**Specific Gravity (H2O=1):** Concentrate Only = 1.0  
**Vapor Pressure: PSIG @ 70°F (Aerosols):** Max.60  
**Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):** N/A  
**Vapor Density (Air = 1):** N/E  
**Evaporation Rate (= 1):** N/E  
**Solubility in Water:** Completely soluble.  
**Water Reactive:** No  
**Appearance and Odor:** White foam, light, airy fragrance.

### SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols):** NON-FLAMMABLE

**Auto-Ignition Temperature:** N/E

**Flammability Limits in Air by % in Volume:** % LEL: N/E  
% UEL: N/E

**FLASH POINT AND METHOD USED (non-aerosols):** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus (SCUBA).

**EXTINGUISHER MEDIA:** Foam, dry chemical, carbon dioxide.

**Unusual Fire & Explosion Hazards:** Do not expose aerosols to temperatures above 130°F or the container may rupture.

N/A — NOT APPLICABLE  
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

**SECTION 4 – REACTIVITY HAZARD DATA**

**STABILITY:** STABLE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**Incompatibility (Materials to Avoid):** Strong oxidizers

Conditions to Avoid: Open flame, welding arcs, heat.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**SECTION 5 – HEALTH HAZARD DATA**

**PRIMARY ROUTES OF ENTRY:** INHALATION and SKIN ABSORPTION

**Inhalation:** Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.

**Eye Contact:** Irritation.

**Skin Contact:** Mild irritation.

**Ingestion:** Possible chemical pneumonitis if aspirated into lungs. Nausea.

**CHRONIC EFFECTS:** (*Effects due to excessive exposure to the raw materials of this mixture*)

May cause diarrhea, vomiting, gastrointestinal irritation. Lab animals have experienced anemia, liver, kidney, lung, blood damage to Glycol Ether EB.

**Medical Conditions Generally Aggravated by Exposure:** May aggravate existing eye, skin, or upper respiratory conditions.

**EMERGENCY FIRST AID PROCEDURES**

**Eye Contact:** Flush with water for 15 minutes. If irritated, seek medical attention.

**Skin Contact:** Wash with soap and water. If irritated, seek medical attention.

**Inhalation:** Remove to fresh air. Resuscitate if necessary. Get medical attention.

**Ingestion:** *DO NOT INDUCE VOMITING.* Drink two large glasses of water. Get immediate medical attention.

**SECTION 6 – CONTROL AND PROTECTIVE MEASURES**

**Respiratory Protection (specify type):** If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode.

**Protective Gloves:** Latex, if skin easily irritated.

**Eye Protection:** Safety glasses recommended.

**Ventilation Requirements:** Adequate ventilation to keep vapor concentration below TLV.

**Other Protective Clothing & Equipment:** None

**Hygienic Work Practices:** Wash with soap and water before handling food. Remove contaminated clothing.

**SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps To Be Taken If Material Is Spilled Or Released:** Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. *DO NOT FLUSH TO SEWER.*

**Waste Disposal Methods:** Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

**Precautions To Be Taken In Handling & Storage:** Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

**Other Precautions &/or Special Hazards:** *KEEP OUT OF REACH OF CHILDREN.* Avoid food contamination. Avoid breathing vapors.

**OTHER INFORMATION**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only