



# 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:  
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## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RED LION DEGREASER

DATE PREPARED: March 29, 2009

PART NUMBER: 74111

PRODUCT TYPE: DEGREASER

CHROMATE INDUSTRIAL CORPORATION

CHEM. FAMILY: PETROLEUM HYDROCARBONS

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## SECTION 2 – COMPOSITION / DATA ON COMPONENTS

HAZARDOUS INGREDIENTS	%	EXPOSURE LIMIT	C.A.S.#	LD <sub>50</sub> , ROUTE, SPECIES	LC <sub>50</sub> ROUTE, SPECIES
LIGHT DISTILLATE, <i>hydrotreated</i>	30-60	100 ppm	64742-47-8	>5 g/kg ORAL - RAT	NOT AVAILABLE
KEROSENE	10-30	100 ppm	64742-81-0	28 g/kg ORAL - RABBIT	NOT AVAILABLE
ALPHA-(4-NONYLPHENYL)-OMEGA-HYDROXY, <i>branched</i>	5-10	N/A	127087-87-0	N/A	N/A
ISOBUTANE	3-7	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	7-13	1000 ppm	74-98-6	NOT APPLICABLE	NOT AVAILABLE

## SECTION 3 – HAZARDS IDENTIFICATION

### ROUTE OF ENTRY

**INGESTION:** May cause headache, nausea, vomiting and weakness.

**INHALATION:** Inhalation of solvents may cause irritation. Propellant is a simple asphyxiant.

**EYE CONTACT:** Vapors may irritate.

**SKIN ABSORPTION:** May be absorbed by the skin.

**SKIN CONTACT:** May cause irritation.

**EFFECTS OF ACUTE EXPOSURE:** Dizziness, nausea, irritation to skin and eyes.

**EFFECTS OF CHRONIC EXPOSURE:** Solvents may cause defatting dermatitis.

**EXPOSURE LIMIT OF MATERIAL:** See Section 2.

## SECTION 4 – FIRST AID MEASURES

**EMERGENCY FIRST AID PROCEDURE:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes. and get medical attention. For skin, wash thoroughly with soap and water. If affected by inhalation of vapor or mist, remove to fresh air. If swallowed, **DO NOT INDUCE VOMITING**. Get medical attention.

## SECTION 5 – FIRE-FIGHTING MEASURES

**AUTO-IGNITION TEMPERATURE (°C):** 229-254

**SPECIAL PROCEDURES:** Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Full protective equipment including self-contained breathing apparatus should be worn in a fire involving this material.

**FLAMMABILITY:** FLAMMABLE

**IF YES, UNDER WHICH CONDITIONS?** Excessive heat, sparks and open flame.

**EXTINGUISHING MEDIA:** Water, Carbon Dioxide, Dry Chemical, Foam.

**UPPER FLAMMABLE LIMIT: (% BY VOLUME):** 9.5

**LOWER FLAMMABLE LIMIT: (% BY VOLUME):** 0.5

**EXPLOSION DATA**

**SENSITIVITY TO DISCHARGE:** N/A

**SENSITIVITY TO IMPACT:** N/A

**HAZARDOUS COMBUSTION:** Oxides of Carbon.

**PRODUCTS:** Hydrocarbon fumes and smoke. Carbon Monoxide where combustion is incomplete.

**AEROSOL FLAME PROJECTION CLASSIFIED AS:** >45 cm

**FLASHBACK:** None

**FLASH POINT (°C) TAG CLOSED-CUP (CONCENTRATE):** LOWEST KNOWN VALUE IS KEROSENE @ 43°C.

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

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**LEAK/SPILL:** Remove all sources of ignition. Use an inert absorbent material, and use non-sparking tools. Ventilate area.  
Prevent from entering a watercourse.

**SECTION 7 – HANDLING AND STORAGE**

**STORAGE NEEDS:** Keep away from heat, sparks and open flames.  
**ENGINEERING CONTROLS:** Ventilation-local (Mechanical if used indoors on a continuous basis.)  
**HANDLING PROCEDURES AND EQUIPMENT:** Store in a cool, well ventilated area not to exceed 50°C.  
**SYNERGISTIC MATERIALS:** None known.

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**GLOVES/TYPE:** Not normally required.  
**RESPIRATORY/TYPE:** If used indoors on a continuous basis, use of a cartridge-type respirator (NIOSH/MSHATC 23C or equivalent) is recommended.  
**EYE/TYPE:** Safety glasses.  
**FOOTWEAR/TYPE:** Not normally required.  
**OTHER/TYPE:** Not required.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE:</b> Liquid	<b>APPEARANCE:</b> Cloudy, colorless
<b>ODOR:</b> Characteristic	<b>ODOR THRESHOLD:</b> N/A
<b>VAPOR PRESSURE (PSIG)-AEROSOL@20°C:</b> 55-65	<b>BOILING POINT (°C)(CONCENTRATE):</b> 175-325
<b>EVAPORATION RATE (n-BUTYL ACETATE=1):</b> N/E	<b>VAPOR DENSITY (AIR = 1):</b> >1
<b>SOLUBILITY IN WATER g/L (20°C):</b> Essentially nil	<b>pH:</b> N/A
<b>SPECIFIC GRAVITY (LIQUID):</b> 0.80-0.86	<b>CO-EFFICIENT OF WATER/OIL DISTRIBUTION:</b> N/A
<b>FREEZING POINT (°C):</b> N/A	<b>AEROSOL PERCENT VOLATILE (BY WEIGHT):</b> 97-99

**SECTION 10 – STABILITY AND REACTIVITY DATA**

**HAZARDOUS PRODUCTS OF DECOMPOSITION:** Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.  
**CHEMICAL STABILITY:** Yes, under normal conditions.  
**COMPATIBILITY WITH OTHER SUBSTANCES:**  
**NO, WHICH ONES?** Strong Oxidizing Agents  
**REACTIVITY CONDITIONS:** N/A

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**REPRODUCTIVE EFFECTS:** BENZENE : Causes foetotoxicity in animals at doses which are maternally toxic. Does not impair fertility.  
**IRRITANCY OF MATERIAL:** Skin/Eye irritant.  
**SENSITIZING CAPABILITY OF MATERIAL:** Unknown.  
**CARCINOGENICITY OF MATERIAL:** The ingredients of this product are not listed as carcinogens by NTP (National Toxicology Program), not regulated as carcinogens by OSHA (Occupational Safety and Health Administration), and have not been evaluated IARC (International Agency for Research on Cancer), nor by ACGIH (American Conference of Governmental Industrial Hygienists).  
**TERATOGENICITY:** No information is available and no adverse teratogenic effects are anticipated.  
**MUTAGENICITY:** BENZENE: May cause heritable genetic damage.

**SECTION 12 – ECOLOGICAL INFORMATION**

**ENVIRONMENTAL:** N/A

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Do not puncture or incinerate containers, even when empty. Dispose of in accordance with local, provincial and federal regulations.

**SECTION 14 – TRANSPORT INFORMATION**

**DOT CLASSIFICATION:** Consumer Commodity, ORM-D

**T.D.G. CLASSIFICATION:** Consumer Commodity, (AEROSOLS, UN1950, CLASS 2.1).

**SECTION 15 – REGULATIONS****CANADIAN REGULATIONS:**

**WHMIS CLASSIFICATION:** A,B5,D2B

**CNFC SECTION 3.3.5:** LEVEL3

**CEPA (CANADIAN ENVIRONMENTAL PROTECTION ACT):** ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

**U.S. REGULATIONS:**

**HMIS RATING HEALTH:** 2 MODERATE HAZARD.

**HMIS RATING FLAMMABILITY:** 4 SEVERE HAZARD.

**HMIS RATING REACTIVITY:** 0 MINIMAL HAZARD.

**HMIS RATING PERSONAL PROTECTION:** B

**NFPA CODE 30B:** LEVEL 3

**SARA 313 INFORMATION:** THIS PRODUCT CONTAINS NO INGREDIENTS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

**CAS #:**                   **CHEMICAL NAME:**

N/A

**CALIFORNIA PROPOSITION 65:** THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986.

**WARNING:** THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

**CAS #:**                   **CHEMICAL NAME:**

\*71-43-2                   BENZENE - (TRACE AMOUNT IN PETROLEUM DISTILLATE)

**TSCA (TOXIC SUBSTANCES CONTROL ACT):** ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.

**VOC (W/W%):** 35

**SECTION 16 – OTHER INFORMATION**

THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY CHROMATE INDUSTRIAL CORPORATION (CIC) FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. CIC ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.