



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 BRAKE CLEAN N.C. **DATE PREPARED:** March 23, 2009
PART NUMBER: 74147
PRODUCT TYPE: DEGREASER / CLEANER **CHROMATE INDUSTRIAL CORPORATION**
CHEM. FAMILY: HYRDOCARBONS **5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206**

SECTION 2 – COMPOSITION / DATA ON COMPONENTS

HAZARDOUS INGREDIENTS	%	EXPOSURE LIMIT C.A.S.#		LD ₅₀ , ROUTE,SPECIES	LC ₅₀ ROUTE,SPECIES
HEPTANE	30-60	400 ppm	142-82-5	>15000 mg/kg ORAL-RAT	N/ A
ACETONE	30-60	750 ppm	67-64-1	>9750 mg/kg ORAL - RAT	>16,000 ppm (4 hr) INHAL -RAT
CARBON DIOXIDE	5-10	5000 ppm	124-38-9	N/ A	N/ A

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: May cause irritation.

SKIN ABSORPTION: May be absorbed by 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 with water for at least 15 minutes. Contact a physician immediately. If in contact with skin, wash well with water. If ingested, drink large volumes of milk or water. *DO NOT INDUCE VOMITING.* Contact a physician immediately. If breathing difficulty occurs, move to fresh air.

SECTION 5 – FIRE-FIGHTING MEASURES

AUTO-IGNITION TEMPERATURE (°C): 204-465

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: *EXTREMELY 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): 12.8

LOWER FLAMMABLE LIMIT: (% BY VOLUME): 1.0

EXPLOSION DATA

SENSITIVITY TO STATIC DISCHARGE: N/A

SENSITIVITY TO IMPACT: N/A

HAZARDOUS COMBUSTION 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 Acetone @ -18°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 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: Wear chemical resistant gloves.
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

PHYSICAL STATE: Aerosol	APPEARANCE: Clear, Colorless
ODOR: Solvent Odor	ODOR THRESHOLD: N/A
VAPOR PRESSURE (PSIG)-AEROSOL@20°C: 80-100	BOILING POINT (°C)(CONCENTRATE): 55-100
EVAPORATION RATE (n-BUTYL ACETATE=1): >1	VAPOR DENSITY (AIR = 1): >1
SOLUBILITY IN WATER g/L (20°C): Negligible	pH: N/A
SPECIFIC GRAVITY (LIQUID): 0.72-0.78	CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N/A
FREEZING POINT (°C): N/A	AEROSOL PERCENT VOLATILE (BY WEIGHT): 99-100
SPECIFIC GRAVITY (AEROSOL): 0.77-0.81	

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
HAZARDOUS POLYMERIZATION: Will not occur.

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
CARCINOGENICITY OF MATERIAL: Heptane contains trace amount of BENZENE; carcinogenic risks to humans based on the evaluation of IARC working group.
SENSITIZING CAPABILITY OF MATERIAL: Unknown.
MUTAGENICITY: Benzene-May cause heritable genetic damage.
TERATOGENICITY: No information is available and no adverse teratogenic effects are anticipated.

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

TDG CLASSIFICATION: Consumer Commodity (AEROSOLS, UN 1950, Class 2.1)

SECTION 15 – REGULATIONS**CANADIAN REGULATIONS:**

WHMIS CLASSIFICATION: A,B5,D2B

CNFC SECTION 3.3.5: LEVEL 3

CEPA (CANADIAN ENVIRONMENTAL PROTECTION ACT): All substances in this product are listed on the CANADIAN DOMESTIC SUBSTANCES LIST (DSL) or not required to be listed.

U.S. REGULATIONS:

HMIS RATING HEALTH: 1 SLIGHT 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 HEPTANE)

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%): <45

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.