



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 PAINT REMOVER

DATE PREPARED: APRIL 22, 2009

PART NUMBER: 74150

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: PAINT REMOVER

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SECTION 2 – COMPOSITION / DATA ON COMPONENTS

CHEMICAL DESCRIPTION: This product is a mixture of the substances listed below with nonhazardous additions.

DANGEROUS COMPONENTS:

67-64-1	ACETONE	35.78%
872-50-4	N-METHYL-2-PYRROLIDONE	17.19%
74-98-6	PROPANE	13.86%
106-97-8	N-BUTANE	8.14%
97-64-3	ETHYL LACTATE	6.41%
68953-58-2	ALKYL QUANTERNARY AMMONIUM MONTMORILLONITE	6.03%
5989-27-5	D-LIMONENE	4.52%

SECTION 3 – HAZARDOUS IDENTIFICATION

HAZARD DESCRIPTION: IRRITANT, EXTREMELY FLAMMABLE, DANGEROUS FOR THE ENVIRONMENT

PHYSICAL DANGERS: EXTREMELY FLAMMABLE, IRRITATING TO EYES AND SKIN.

MAY CAUSE SENSITIZATION BY SKIN CONTACT. KEEP OUT OF THE REACH OF CHILDREN.

EFFECTS OF CHRONIC OVEREXPOSURE: May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

NFPA RATINGS (SCALE 0 - 4):

HEALTH: 1

FIRE: 4

REACTIVITY: 3

HMIS-RATINGS (SCALE 0 - 4):

HEALTH: 1

FIRE: 4

PHYSICAL HAZARD: 3

SECTION 4 – FIRST AID MEASURES

Inhalation: Supply fresh air and to be sure call for a doctor. If breathing is difficult, administer oxygen.

Skin Contact: Immediately wash with water and soap and rinse thoroughly.

Eye Contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Swallowing: Contact physician or poison control center.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING AGENTS: CO₂, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

SPECIAL HAZARDS CAUSED BY THE MATERIAL,

ITS PRODUCTS OF COMBUSTION OR RESULTING GASES: During heating or in case of fire poisonous gases are produced.

PROTECTIVE EQUIPMENT: A respiratory protective device may be necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL SAFETY PRECAUTIONS: Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.

ENVIRONMENTAL SAFETY PRECAUTIONS: Do not allow product to reach sewage systems or ground water.

MEASURES FOR CLEANING/ COLLECTING: Ensure adequate ventilation.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 7 – HANDLING AND STORAGE

FIRE/EXPLOSION PROTECTION: Keep respiratory protective device available. Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.

STORAGE REQUIREMENTS: Observe pressurized container storage regulations. Consult with your local authorities.

SECTION 8 – EXPOSURE CONTROLS / SPECIAL PROTECTION**COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:****67-64-1 ACETONE**

PEL 2400 mg/m³, 1000 ppm
REL 590 mg/m³, 250 ppm
TLV *Short-term value:* 1782 mg/m³, 750 ppm
Long-term value: 1188 mg/m³, 500 ppm
 BEI

872-50-4 N-METHYL-2-PYRROLIDONE

WEEL 10 ppm
 Skin

74-98-6 PROPANE

PEL 1800 mg/m³, 1000 ppm
REL 1800 mg/m³, 1000 ppm
TLV Varies mg/m³, 1000 ppm

106-97-8 N-BUTANE

REL 1900 mg/m³, 800 ppm
TLV Varies mg/m³, 1000 ppm

PROTECTIVE HYGIENIC MEASURES: Keep away from foodstuffs and animal feed. Wash hands after use.

BREATHING EQUIPMENT: A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. Please consult an authority on chemical hygiene monitoring if you suspect overexposure conditions exist and need a specific recommendation on proper ventilation techniques and personal protection.

PROTECTION OF HANDS: Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

EYE PROTECTION: Tightly sealed goggles

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES**GENERAL INFORMATION:**

ODOR: Aromatic

BOILING POINT/BOILING RANGE: - 44°C

FLASH POINT: - 19°C

IGNITION TEMPERATURE: 270°C

AUTO-IGNITING: Product is not self-igniting.

DANGER OF EXPLOSION: Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120°F. In use, may form flammable/explosive vapour-air mixture.

LOWER EXPLOSION LIMIT: 1.3 Vol %

UPPER EXPLOSION LIMIT: 10.9 Vol %

VAPOR PRESSURE: 40 PSI, 2750 hPa

DENSITY AT 20°C: 0.7863 g/cm³

SPECIFIC GRAVITY: Between 0.77 and 0.85 (Water equals 1.00)

VOC CONTENT: 536.0 g/l / 4.47 lb/gal

VOC CONTENT (LESS EXEMPT SOLVENTS): 43.7 %

WATER: 0.4 %

MIR VALUE: 43.7 %

MIR VALUE: 1.17

SOLIDS CONTENT: 13.7 %

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

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 10 – STABILITY & REACTIVITY

CONDITIONS TO BE AVOIDED: Do not allow the can to exceed 120°F. Stable at normal temperatures.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reactions known.

SECTION 11 – TOXICOLOGICAL INFORMATION

PRIMARY EFFECT ON THE SKIN: Irritant to skin and mucous membranes.

PRIMARY EFFECT ON THE EYE: Irritating effect.

SENSITIZATION: Sensitization possible through skin contact.

ADDITIONAL TOXICOLOGICAL INFORMATION: The product shows the following dangers according to internally approved calculation methods for preparations:

SECTION 12 – ECOLOGICAL INFORMATION

OTHER INFORMATION: This product does not contain any chlorofluorocarbons (CFC's), chlorinated solvents, lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated diphenyl ether (PBDE). No specific ecological data is available for this product.

ECOTOXICAL EFFECTS:

ACQUATIC TOXICITY: Harmful to aquatic organisms. Hazardous for water, do not empty into drains.

REMARK: Toxic for fish

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

RECOMMENDATION: Completely empty cans should be recycled.

SECTION 14 – TRANSPORT INFORMATION

HAZARD CLASS: 2.1

IDENTIFICATION NUMBER: N/A

LABEL: 2.1

ADR/RID CLASS: 2 5F Gases

UN-NUMBER: 1950

IMDG CLASS: 2.1

PACKAGING GROUP: II

EMS NUMBER: F-D,S-U

MARINE POLLUTANT: No

ICAO/IATA CLASS: 2.1

PROPPER SHIPPING NAME: *AEROSOLS, FLAMMABLE*
Consumer Commodity ORM-D

SECTION 15 – REGULATORY INFORMATION

SARA SECTION 355 (EXTREMELY HAZARDOUS SUBSTANCES): None of the ingredients in this product are listed.

SARA SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS): 872-50-4 N-METHYL-2-PYRROLIDONE

TSCA (TOXIC SUBSTANCES CONTROL ACT): All ingredients are listed.

PROPOSITION 65 CHEMICALS KNOWN TO CAUSE CANCER: None of the ingredients in this product are listed.

EPA: **A:** Known human carcinogen **B:** Probable human carcinogen
C: Possible human carcinogen **D:** Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

67-64-1 ACETONE I

IARC: **Group 2B:** The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.

Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

5989-27-5 D-LIMONENE 3

ACGIH TLVs: **A1:** Designates a confirmed human carcinogen.
A2: Designates a suspected human carcinogen.
A3: Designates an animal carcinogen.
A4: Designates "not classifiable as a human carcinogen".

67-64-1 ACETONE A4

NIOSH: None of the ingredients is listed.

HAZARD SYMBOLS: IRRITANT, EXTREMELY FLAMMABLE, DANGEROUS FOR THE ENVIRONMENT

HAZARD-DETERMINING COMPONENTS OF LABELLING: D-LIMONENE

RISK PHRASES: EXTREMELY FLAMMABLE, IRRITATING TO EYES AND SKIN, MAY CAUSE SENSITIZATION BY SKIN CONTACT.

SAFETY PHRASES: KEEP OUT OF THE REACH OF CHILDREN. Keep in a cool place. Keep container in a well-ventilated place.

Keep away from food, drink and animal feeding stuffs. Do not breathe gas/fumes/vapor/spray. Avoid contact with skin and eyes. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Wear suitable gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label. Use only in well-ventilated areas.

SPECIAL LABELING OF CERTAIN PREPARATIONS: KEEP OUT OF THE REACH OF CHILDREN.

SECTION 16 – OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

ABBREVIATIONS AND ACRONYMS:

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

VOC: Volatile Organic Compounds (USA, EU)