



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 SMOKE/ODOR ELIMINATOR

DATE PREPARED: APRIL 23, 2009

PART NUMBER: 74158

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: PREMOISTENED TOWELETTE

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SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: FLAMMABLE, CONTENTS UNDER PRESSURE.

Aerosol. Pressurized container may explode when exposed to heat or flame.

Prolonged exposure may cause chronic effects.

OSHA REGULATORY STATUS: This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

POTENTIAL HEALTH EFFECTS

Eyes: Health injuries are not known or expected under normal use.

Skin: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Inhalation: Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

Ingestion: Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

May cause delayed lung damage.

TARGET ORGANS: Central nervous system. Respiratory system.

CHRONIC EFFECTS: May cause delayed lung damage.

SIGNS AND SYMPTOMS: Discomfort in the chest. Defatting of the skin. Irritation.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS #	PERCENT
ACETONE	67-64-1	60 - 70
PROPANE	74-98-6	15 - 20
N-BUTANE	106-97-8	10 - 15
NON-HAZARDOUS AND OTHER COMPONENTS BELOW REPORTABLE LEVELS		1 - 2.5

SECTION 4 – FIRST AID MEASURES

FIRST AID PROCEDURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do.

Get medical attention if irritation develops or persists.

Skin Contact: Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Ingestion: Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

NOTES TO PHYSICIAN: Symptoms may be delayed.

GENERAL ADVICE: Call physician if symptoms develop or persist.

SECTION 5 – FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES: Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back.

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Water fog, foam, alcohol foam, dry chemical, Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

PROTECTION OF FIREFIGHTERS

PROTECTIVE EQUIPMENT/PRECAUTIONS FOR FIREFIGHTERS: In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away.

METHODS FOR CONTAINMENT: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.

METHODS FOR CLEANING UP: *Small Spills:* Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

SECTION 7 – SPILL OR LEAK PROTECTION

HANDLING: PRESSURIZED CONTAINER: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

STORAGE: Level 3 Aerosol.

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area equipped with sprinklers. **KEEP OUT OF THE REACH OF CHILDREN.** Use care in handling/storage.

SECTION 8 – SPECIAL PROTECTION INFORMATION**EXPOSURE LIMITS****ACGIH:**

COMPONENTS	CAS #	TW A	STEL	CEILING
ACETONE	67-64-1	500 ppm	750 ppm	N/E
PROPANE	74-98-6	1000 ppm	N/E	N/E
N-BUTANE	106-97-8	1000 ppm	N/E	N/E

OSHA:

COMPONENTS	CAS #	TW A	STEL	CEILING
ACETONE	67-64-1	1000 ppm	N/E	N/E
PROPANE	74-98-6	1000 ppm	N/E	N/E

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

EYE / FACE PROTECTION: Not normally needed.

SKIN PROTECTION: Protective gloves.

RESPIRATORY PROTECTION: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

GENERAL HYGIENE CONSIDERATIONS: When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE: Compressed liquefied gas
ODOR: Characteristic
FORM: Aerosol
FLASHBACK: No
SOLUBILITY: Completely
BOILING POINT: 55.4°F (12.8°C) estimated
pH: N/A

COLOR: Pale yellow
PHYSICAL STATE: Liquid
FLAMMABILITY (HOC): 32.53 kJ/g estimated
PRESSURE: 50 - 60 psig @ 70°F
FLASH POINT: -156°F (-104.4°C) estimated
SPECIFIC GRAVITY: 0.6943 estimated

SECTION 10 – CHEMICAL STABILITY / REACTIVITY INFORMATION

CHEMICAL STABILITY: Risk of ignition. Stable at normal conditions.
CONDITIONS TO AVOID: Heat, flames and sparks.
HAZARDOUS DECOMPOSITION PRODUCTS: May include oxides of oxides of carbon.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS **ACUTE LD₅₀:** 2647 mg/kg estimated, Rat, Oral
 ACUTE LD₅₀: 29412 mg/kg estimated, Rat, Dermal
 ACUTE LC₅₀: 112 mg/l/4h estimated, Rat, Inhalation

SENSITIZATION: Not expected to be hazardous by OSHA criteria.
LOCAL EFFECTS: Components of the product may be absorbed into the body through the skin.
CHRONIC EFFECTS: Hazardous by OSHA criteria. Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.
NEUROLOGICAL EFFECTS: Not expected to be hazardous by OSHA criteria.
MUTAGENICITY: Not expected to be hazardous by OSHA criteria.
REPRODUCTIVE EFFECTS: Not expected to be hazardous by OSHA criteria.
TERATOGENICITY: Not expected to be hazardous by OSHA criteria.
EPIDEMIOLOGY: Hazardous by OSHA criteria.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: **LC₅₀:** 8140 mg/L estimated, Fish, 96.00 Hours,
 EC₅₀: 18482 mg/L estimated, Daphnia, 48.00 Hours,

Components of this product have been identified as having potential environmental concerns.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE CODES **D001:** Waste Flammable material with a flash point <140°F.
 D018: Waste Benzene.

DISPOSAL INSTRUCTIONS: Contents under pressure. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations. Department of Transportation (DOT) Requirements

SECTION 14 – TRANSPORT INFORMATION

BASIC SHIPPING REQUIREMENTS

Proper Shipping Name: Consumer commodity
Subsidiary Hazard Class: None

Hazard Class: ORM-D

ADDITIONAL INFORMATION

Packaging Exceptions: 156, 306
Packaging Bulk: None

Packaging Non-Bulk: 156, 306

IMDG

Not regulated as hazardous goods.

IATA

Not regulated as hazardous goods.

SECTION 15 – REGULATORY INFORMATION

US FEDERAL REGULATIONS: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the US EPA TSCA Inventory List.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR 1910.1200 Hazardous Chemical: Yes

CERCLA (Superfund) Reportable Quantity: ACETONE 5000.0000

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

HAZARD CATEGORIES: Immediate Hazard: Yes Delayed Hazard: No
Fire Hazard: Yes Pressure Hazard: Yes
Reactivity Hazard: No

SECTION 302: Extremely Hazardous Substance: No

SECTION 311: Hazardous Chemical: Yes

INVENTORY STATUS

COUNTRY(S) OR REGION	INVENTORY NAME	ON INVENTORY (YES /NO)*
CHINA	Inventory of Existing Chemical Substances in China (IECSC)	No
EUROPE	European Inventory of New and Existing Chemicals (EINECS)	No
EUROPE	European List of Notified Chemical Substances (ELINCS)	No
JAPAN	Inventory of Existing and New Chemical Substances (ENCS)	No
KOREA	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

STATE REGULATIONS

U.S. - PENNSYLVANIA - RTK (RIGHT TO KNOW) LIST

ACETONE	67-64-1	ENVIRONMENTAL HAZARD
N-BUTANE	106-97-8	PRESENT
PROPANE	74-98-6	PRESENT

HMIS® RATINGS HEALTH: 1 FLAMMABILITY: 4 PHYSICAL HAZARD: 0

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED