



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®
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**FOR CHEMICAL
EMERGENCY**
Call ChemTrec day/night:
1-800-424-9300

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SPRAY ADHESIVE
PART NUMBER: 74130

DATE PREPARED: FEBRUARY 4, 2010

PRODUCT TYPE: ADHESIVE

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SECTION 2 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS RATING: HEALTH: 2 FLAMMABILITY: 3 PHYSICAL HAZARD: 0 PPE: B
NFPA RATING: HEALTH: 2 FIRE: 3 REACTIVITY: 0

HAZARD RATING: 0: MINIMAL 1: SLIGHT 2: MODERATE 3: SEVERE 4: EXTREME

WHMIS CLASSIFICATION(S):

CLASS A: COMPRESSED GAS
CLASS B5: FLAMMABLE AEROSOL
CLASS D2B: SKIN/EYE IRRITANT

DANGER: *EXTREMELY FLAMMABLE. HARMFUL BY INHALATION. MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.*

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

LIKELY ROUTES OF EXPOSURE: Skin contact, eye contact, inhalation and ingestion.

EYE: May cause eye irritation.

SKIN: May cause skin irritation.

INGESTION: Not a normal route of exposure. *HARMFUL:* May cause lung damage if swallowed.

INHALATION: *HARMFUL BY INHALATION.* May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

CHRONIC EFFECTS: Prolonged or repeated contact may dry skin and cause irritation.

SIGNS AND SYMPTOMS: Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Symptoms may include redness and drying of the skin. Vapors may cause drowsiness and dizziness.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Asthma. Allergies.

TARGET ORGANS: Skin, eyes, gastrointestinal tract, respiratory system.

POTENTIAL ENVIRONMENTAL EFFECTS: May cause long-term adverse effects in the aquatic environment.
See Section 12 for more information.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	WT. %
ISOBUTANE	75-28-5	15 - 40
CYCLOHEXANE	110-82-7	10 - 30
ACETONE	67-64-1	10 - 30
PROPANE	74-98-6	3 - 7

N/A — NOT APPLICABLE N/D — NOT DETERMINED N/E — NONE ESTABLISHED N/R — NOT REGULATED N/L — NOT LISTED

SECTION 4 — FIRST AID MEASURES

- EYE CONTACT:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.
- SKIN CONTACT:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- INGESTION:** If swallowed, *DO NOT INDUCE VOMITING* unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- GENERAL ADVICE:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- NOTE TO PHYSICIANS:** Symptoms may not appear immediately.

SECTION 5 — FIRE-FIGHTING MEASURES

FLAMMABILITY: Flammable by WHMIS/OSHA criteria.

MEANS OF EXTINCTION

SUITABLE EXTINGUISHING MEDIA: Treat for surrounding material.

UNSUITABLE EXTINGUISHING MEDIA: N/A

PRODUCTS OF COMBUSTION: *May include, and are not limited to:* Oxides of carbon.

EXPLOSION DATA

SENSITIVITY TO MECHANICAL IMPACT: N/A

SENSITIVITY TO STATIC DISCHARGE: N/A

PROTECTION OF FIREFIGHTERS: Containers may explode when heated. Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 — ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

ENVIRONMENTAL PRECAUTIONS: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination.

METHODS FOR CONTAINMENT: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

METHODS FOR CLEAN-UP: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

OTHER INFORMATION: N/A

SECTION 7 — HANDLING AND STORAGE

HANDLING: Keep away from sources of ignition. - *NO SMOKING*. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using, do not eat or drink. Wash hands before eating, drinking or smoking.

STORAGE: *KEEP OUT OF THE REACH OF CHILDREN*. Keep container in a well-ventilated place. Do not store at temperatures above 49°C / 120°F. Keep away from food, drink and animal foodstuffs.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES ~ EXPOSURE LIMITS**

INGREDIENT	OSHA-PEL	ACGIH-TLV
ISOBUTANE	N/A	N/A
CYCLOHEXANE	300 ppm	100 ppm
ACETONE	1000 ppm	500 ppm
PROPANE	1000 ppm	1000 ppm

ENGINEERING CONTROLS: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT: *HMIS:* See Section 15.

EYE/FACE PROTECTION: Wear eye/face protection.

HAND PROTECTION: Wear suitable gloves.

SKIN AND BODY PROTECTION: Wear suitable protective clothing.

RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respiratory equipment.

GENERAL HYGIENE CONSIDERATIONS: Handle according to established industrial hygiene and safety practices.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE: Opaque

ODOR: Characteristic

PHYSICAL STATE: Gas/Pressurized Liquid

VISCOSITY: N/A

BOILING POINT: N/A

EVAPORATION RATE: N/A

UPPER FLAMMABILITY LIMIT: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble

AUTO-IGNITION TEMPERATURE: N/A

VOC CONTENT, WT. %: 65.0% (US federal/CARB/OTC/LADCO)

COLOR: White

ODOR THRESHOLD: N/A

pH: N/A

FREEZING POINT: N/A

FLASH POINT: N/A

LOWER FLAMMABILITY LIMIT: N/A

VAPOR PRESSURE: N/A

SPECIFIC GRAVITY: 0.814 (Concentrate only)

CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N/A

PERCENT VOLATILE, WT. %: N/A

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

CONDITIONS OF REACTIVITY: Heat. Incompatible materials.

INCOMPATIBLE MATERIALS: Oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: *May include, and are not limited to:* Oxides of carbon.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reaction known under conditions of normal use.

SECTION 11 – TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE ~ COMPONENT ANALYSIS

INGREDIENT	LD ₅₀ (ORAL)	LC ₅₀
ISOBUTANE	N/A	N/A
CYCLOHEXANE	12705 mg/kg, rat	N/A
ACETONE	5800 mg/kg, rat	N/A
PROPANE	N/A	N/A

EYE: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

SKIN: May cause skin irritation. Symptoms may include redness and drying of the skin.

INGESTION: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

INHALATION: Harmful by inhalation. May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapors may cause drowsiness and dizziness.

EFFECTS OF CHRONIC EXPOSURE

TARGET ORGANS: N/A

CHRONIC EFFECTS: Not hazardous by WHMIS/OSHA criteria.

CARCINOGENICITY: Not hazardous by WHMIS/OSHA criteria.

INGREDIENT	CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN *
ISOBUTANE	N/L
CYCLOHEXANE	N/L
ACETONE	N/L
PROPANE	N/L

* SEE SECTION 15 FOR MORE INFORMATION.

MUTAGENICITY: Not hazardous by WHMIS/OSHA criteria.

REPRODUCTIVE EFFECTS: Not hazardous by WHMIS/OSHA criteria.

DEVELOPMENTAL EFFECTS:

TERATOGENICITY: Not hazardous by WHMIS/OSHA criteria.

EMBRYOTOXICITY: Not hazardous by WHMIS/OSHA criteria.

RESPIRATORY SENSITIZATION: Not hazardous by WHMIS/OSHA criteria.

SKIN SENSITIZATION: Not hazardous by WHMIS/OSHA criteria.

TOXICOLOGICALLY SYNERGISTIC MATERIALS: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: May cause long-term adverse effects in the aquatic environment

PERSISTENCE / DEGRADABILITY: N/A

BIOACCUMULATION / ACCUMULATION: N/A

MOBILITY IN ENVIRONMENT: N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT CLASSIFICATION: ORM-D

TDG CLASSIFICATION: Limited Quantity

SECTION 15 – REGULATORY INFORMATION

FEDERAL REGULATIONS

CANADIAN: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
US: MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

SARA TITLE III

INGREDIENT	SECTION 302 (EHS) TPQ (LBS.)	SECTION 304 EHS RQ (LBS.)	CERCLA RQ (LBS.)	SECTION 313
ISOBUTANE	N/L	N/L	N/L	N/L
CYCLOHEXANE	N/L	N/L	N/L	N/L
ACETONE	N/L	N/L	5,000	N/L
PROPANE	N/L	N/L	N/L	N/L

STATE REGULATIONS

CALIFORNIA PROPOSITION 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

GLOBAL INVENTORIES

INGREDIENT	CANADA DSL/NDL	USA TSCA
ISOBUTANE	DSL	Yes
CYCLOHEXANE	DSL	Yes
ACETONE	DSL	Yes
PROPANE	DSL	Yes

HMIS RATING: HEALTH: 2 FLAMMABILITY: 3 PHYSICAL HAZARD: 0 PPE: B
NFPA RATING: HEALTH: 2 FIRE: 3 REACTIVITY: 0
HAZARD RATING: 0: MINIMAL 1: SLIGHT 2: MODERATE 3: SEVERE 4: EXTREME

WHMIS CLASSIFICATION(S):

- CLASS A: COMPRESSED GAS
- CLASS B5: FLAMMABLE AEROSOL
- CLASS D2B: SKIN/EYE IRRITANT

WHMIS HAZARD SYMBOLS: 

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

- OSHA (O):** Occupational Safety and Health Administration.
- ACGIH (G):** American Conference of Governmental Industrial Hygienists.
 - A1:** Confirmed human carcinogen.
 - A2:** Suspected human carcinogen.
 - A3:** Animal carcinogen.
 - A4:** Not classifiable as a human carcinogen.
 - A5:** Not suspected as a human carcinogen.

- IARC (I):** International Agency for Research on Cancer.
 - 1:** The agent (mixture) is carcinogenic to humans.
 - 2A:** The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
 - 2B:** The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
 - 3:** The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
 - 4:** The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

- NTP (N):** National Toxicology Program.
 - 1:** Known to be carcinogens.
 - 2:** Reasonably anticipated to be carcinogens.

N/A — NOT APPLICABLE N/D — NOT DETERMINED N/E — NONE ESTABLISHED N/R — NOT REGULATED N/L — NOT LISTED

SECTION 16 – OTHER INFORMATION

DISCLAIMER:

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