



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: 548 GASKET ELIMINATOR

DATE PREPARED: October 3, 2012

PART NUMBER: 74569

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: ANAEROBIC ADHESIVE

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SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS: HEALTH: 2*

FLAMMABILITY: 1

PHYSICAL HAZARD: 1

Personal Protection: See Section 8

Physical State: Solid

Color: Orange

Odor: Sharp

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.

Relevant Routes of Exposure: Skin, Inhalation, Eyes

POTENTIAL HEALTH EFFECTS

Inhalation: May cause irritation to nose and throat.

Skin Contact: Causes skin irritation. May cause allergic skin reaction.

Eye Contact: Vapors may irritate eyes. Contact with eyes will cause irritation.

Ingestion: May cause gastrointestinal tract irritation if swallowed.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: Eye, skin, and respiratory disorders. Acrylic acid: Respiratory disorders. Lung disease. This material is considered hazardous by the OSHA Hazard communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	%
POLYURETHANE METHACRYLATE RESIN	PROPRIETARY	30 - 60
POLYGLYCOL DIMETHACRYLATE	PROPRIETARY	30 - 60
THIXOTROPIC AGENT	UNKNOWN	5 - 10
ACRYLIC ACID	79-10-7	1 - 5
CUMENE HYDROPEROXIDE	80-15-9	1 - 5
SILICA, AMORPHOUS, FUMED, CRYSTAL-FREE	112945-52-5	1 - 5
1-ACETYL-2-PHENYLHYDRAZINE	114-83-0	0.1 - 1
CUMENE	98-82-8	0.1 - 1

SECTION 4 – FIRST AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.

Skin Contact: Remove contaminated clothing and footwear. Wash with soap and water. If symptoms develop and persist, get medical attention. Wash clothing before reuse.

Eye Contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. Keep individual calm. Obtain medical attention.

N/A — NOT APPLICABLE

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

N/L — NOT LISTED

SECTION 5 – FIRE-FIGHTING MEASURES

Flash Point: N/A
Autoignition temperature: Not available
Flammable/Explosive - Lower: Not available
Flammable/Explosive - Upper: Not available
Extinguishing Media: Foam, dry chemical or carbon dioxide.
Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual Fire or Explosion Hazards: None
Hazardous Combustion Products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Environmental Precautions: Prevent product from entering drains or waterways.
Clean-up Methods: Store in a partially filled, closed container until disposal. Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Do not breathe gas/fumes/vapor/spray.
Storage: For safe storage, store at or below 38°C (100.4°F). Keep in cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
For information on product shelf life contact CIC Customer Service at (800) BUY-BOLT.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

HAZARDOUS COMPONENTS	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Polyurethane methacrylate resin	None	None	None	None
Polyglycol dimethacrylate	None	None	None	None
Thixotropic agent	None	None	None	None
Acrylic acid	2 ppm TWA (SKIN)	None	None	1 ppm TWA 3 ppm STEL (SKIN)
Cumene hydroperoxide	None	None	1 ppm (6 mg/m3) TWA (SKIN)	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m3 TWA	None	None
1-Acetyl-2-phenylhydrazine	None	None	None	None
Cumene	50 ppm TWA	50 ppm TWA (245 mg/m3) TWA (SKIN)	None	None

Engineering Controls: Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
Respiratory Protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Eye/face Protection: Safety goggles or safety glasses with side shields.
Skin Protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid	Color: Orange
Odor: Sharp	Odor Threshold: N/A
pH: Not applicable	Vapor Pressure: N/A
Boiling Point/Range: N/A	Melting Point/Range: N/A
Specific Gravity: 1.1274	Vapor Density: N/A
Flash point: Not applicable	Flammable/Explosive limits - lower: N/A - upper: N/A
Autoignition temperature: N/A	Evaporation Rate: N/A
Solubility in Water: Insoluble	Partition Coefficient (n-octanol/water): N/A
VOC Content: 0.89%; 8.5060 g/l	

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous reactions: Will not occur.

Hazardous Decomposition Products: Irritating organic vapors. Oxides of carbon. Oxides of sulfur. Oxides of nitrogen.

Incompatible materials: Strong alkalis. Strong oxidizing agents. Strong reducing agents. Other polymerization initiators.

Conditions to Avoid: See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute oral product toxicity: LD50 (rat): > 5,000 mg/kg (Estimated)

Acute dermal product toxicity: LD50 (rabbit): > 2,000 mg/kg (Estimated)

HAZARDOUS COMPONENTS	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN (Specifically Regulated)
Polyurethane methacrylate resin	No	No	No
Polyglycol dimethacrylate	No	No	No
Thixotropic agent	No	No	No
Acrylic acid	No	No	No
Cumene hydroperoxide	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
1-Acetyl-2-phenylhydrazine	No	No	No
Cumene	No	Group 2B	No

HAZARDOUS COMPONENTS	HEALTH EFFECTS/TARGET ORGANS
Polyurethane methacrylate resin	Irritant, Allergen
Polyglycol dimethacrylate	Irritant, Allergen
Thixotropic agent	No data
Acrylic acid	Allergen, Corrosive, Irritant, Kidney, Liver
Cumene hydroperoxide	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
Silica, amorphous, fumed, crystal-free	Nuisance dust
1-Acetyl-2-phenylhydrazine	Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity
Cumene	Central nervous system, Irritant, Lung

SECTION 12 – ECOLOGICAL INFORMATION

Ecological information: N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.**Hazardous waste number:** Not a RCRA hazardous waste.**SECTION 14 – TRANSPORT INFORMATION**

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified).
Shipping classifications may be different for bulk packaging.

U.S. DEPARTMENT OF TRANSPORTATION GROUND (49 CFR)**Proper Shipping Name:** Not regulated**Identification Number:** None**Hazard Class or Division:** None**Packing Group:** None**INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA)****Proper Shipping Name:** Not regulated**Identification Number:** None**Hazard Class or Division:** None**Packing Group:** None**WATERTRANSPORTATION (IMO/IMDG):****Proper Shipping Name:** Not regulated**Identification Number:** None**Hazard Class or Division:** None**Packing Group:** None**SECTION 15 – REGULATORY INFORMATION****UNITED STATES REGULATORY INFORMATION****TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.**TSCA 12 (b) Export Notification:** None above reporting de minimus.**CERCLA/SARA Section 302 EHS:** None above reporting de minimus.**CERCLA/SARA Section 311/312:** Delayed Health, Immediate Health

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Acrylic acid (CAS# 79-10-7)
Cumene Hydroperoxide (CAS# 80-15-9).

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. This product contains a chemical known in the State of California to cause cancer.

CANADA REGULATORY INFORMATION**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances list.**WHMIS hazard class:** D.2.A , D.2.B**SECTION 16 – OTHER INFORMATION**

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Chromate Industrial Corporation (CIC) does not assume responsibility for any results obtained by persons over whose methods CIC has no control. It is the user's responsibility to determine the suitability of CIC's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of CIC's products. In light of the foregoing, CIC specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of CIC's products. CIC further disclaims any liability for consequential or incidental damages of any kind, including lost profits.