



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: 668 RETAINING COMPOUND **DATE PREPARED:** JULY 11, 2011
PART NUMBER: 74571
PRODUCT TYPE: ANAEROBIC ADHESIVE **CHROMATE INDUSTRIAL CORPORATION**
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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: Semi-Solid **COLOR:** Green **ODOR:** Mild

WARNING: CAUSES EYE AND SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

RELEVANT ROUTES OF EXPOSURE: SKIN, LUNGS, and EYES

POTENTIAL HEALTH EFFECTS

INHALATION: May cause respiratory tract irritation.

SKIN CONTACT: May cause allergic skin reaction. Causes skin irritation. May cause skin irritation with discomfort or rash.

EYE CONTACT: Contact with eyes will cause irritation.

INGESTION: May be harmful if swallowed.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: EYE, SKIN, and RESPIRATORY DISORDERS.

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	%
2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)	24448-20-2	30 - 60
POLYGLYCOL DIMETHACRYLATE	Proprietary	10 - 30
MALEIMIDE RESIN	3006-93-7	10 - 30
THIXOTROPIC AGENT	Unknown	10 - 30
HYDROXYALKYL METHACRYLATE	27813-02-1	5 - 10
SILICA, AMORPHOUS, FUMED, CRYSTAL-FREE	112945-52-5	1 - 5
CUMENE HYDROPEROXIDE	80-15-9	1 - 5
1-ACETYL-2-PHENYLHYDRAZINE	114-83-0	0.1 - 1

SECTION 4 — FIRST AID MEASURES

INHALATION: Move to fresh air. If symptoms develop and persist, get medical attention.

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

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. Get medical attention.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 5 — FIRE-FIGHTING MEASURES

FLASH POINT: Not applicable. Product is a solid.

AUTO-IGNITION TEMPERATURE: Not available.

FLAMMABLE/EXPLOSIVE LIMITS LOWER: Not available **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: Irritating organic vapors. Oxides of Carbon. Oxides of Sulfur. Toxic fumes. Oxides of Nitrogen.

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: Do not allow product to enter sewer or waterways.

CLEAN-UP METHODS: Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

SECTION 7 — HANDLING AND STORAGE

HANDLING: Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

STORAGE: For safe storage, store between 0 °C (32°F) and 38 °C (100.4 °F). Keep in a 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 1-800-BUY-BOLT.

SECTION 8 — EXPOSURE CONTROL / 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
2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)	None	None	None	None
POLYGLYCOL DIMETHACRYLATE	None	None	None	None
MALEIMIDE RESIN	None	None	None	None
THIXOTROPIC AGENT	None	None	None	None
HYDROXYALKYL METHACRYLATE	None	None	None	1 ppm TWA 3 ppm STEL
SILICA, AMORPHOUS, FUMED, CRYSTAL-FREE	10 mg/m ³ TWA Inhalable Dust 3 mg/m ³ TWA Respirable Fraction	20 MPPCF TWA 0.8 mg/m ³ TWA	None	None
CUMENE HYDROPEROXIDE	None	None	1 ppm (6 mg/m ³) TWA (SKIN)	None
1-ACETYL-2-PHENYLHYDRAZINE	None	None	None	None

ENGINEERING CONTROLS: No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational 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: Neoprene gloves. Nitrile gloves. Use impermeable gloves and protective clothing as necessary to prevent skin contact.

SECTION 9 — PHYSICAL / CHEMICAL PROPERTIES

PHYSICAL STATE: Semi-Solid	COLOR: Green
ODOR: Mild	ODOR THRESHOLD: Not available
pH: Not applicable	VAPOR PRESSURE: < 5 mm hg (80 °F (26.7 °C))
BOILING POINT/RANGE: > 300 °F (> 148.9 °C)	MELTING POINT/ RANGE: Not available
SPECIFIC GRAVITY: 1.1228	VAPOR DENSITY: Not available
FLASH POINT: Not applicable. Product is a solid.	FLAMMABLE/EXPLOSIVE LIMITS LOWER: Not available
AUTO-IGNITION TEMPERATURE: Not available	UPPER: Not available
EVAPORATION RATE: Not available	SOLUBILITY IN WATER: Slight
PARTITION COEFFICIENT (n-OCTANOL/WATER): Not available	VOC CONTENT: 0.79 %; 8.86 g/l

SECTION 10 — STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS REACTIONS: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon. Oxides of Nitrogen. Toxic fumes. Irritating organic vapors. Oxides of Sulfur.

INCOMPATIBLE MATERIALS: Acids. Reducing agents. Alkalis. Amines. This chemical contains heavy metals. Peroxides. Oxygen scavengers. Free radical initiators. Other polymerization initiators. Strong oxidizing agents.

CONDITIONS TO AVOID: See *HANDLING AND STORAGE* (Section 7) and *INCOMPATIBILITY* (Section 10).

SECTION 11 — TOXICOLOGICAL INFORMATION

ACUTE ORAL PRODUCT TOXICITY:	LD ₅₀ (rat) > 10,000 mg/kg
ACUTE DERMAL PRODUCT TOXICITY:	LD ₅₀ (rabbit) > 2,000 mg/kg (Estimated)

HAZARDOUS COMPONENTS	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN (Specifically Regulated)
2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)	No	No	No
POLYGLYCOL DIMETHACRYLATE	No	No	No
MALEIMIDE RESIN	No	No	No
THIXOTROPIC AGENT	No	No	No
HYDROXYALKYL METHACRYLATE	No	No	No
SILICA, AMORPHOUS, <i>FUMED, CRYSTAL-FREE</i>	No	No	No
CUMENE HYDROPEROXIDE	No	No	No
1-ACETYL-2-PHENYLHYDRAZINE	No	No	No

HAZARDOUS COMPONENTS

2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)
 POLYGLYCOL DIMETHACRYLATE
 MALEIMIDE RESIN
 THIXOTROPIC AGENT
 HYDROXYALKYL METHACRYLATE
 SILICA, AMORPHOUS, *FUMED, CRYSTAL-FREE*
 CUMENE HYDROPEROXIDE
 1-ACETYL-2-PHENYLHYDRAZINE

HEALTH EFFECTS/TARGET ORGANS

Irritant, Allergen
 Irritant, Allergen
 No Target Organs
 No Data
 Irritant, Allergen
 Nuisance dust
 Allergen, Central nervous system, Corrosive, Irritant, Mutagen
 Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity

SECTION 12 — ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

SECTION 13 — DISPOSAL CONSIDERATIONS

INFORMATION PROVIDED IS FOR UNUSED PRODUCT ONLY.

RECOMMENDED METHOD OF DISPOSAL: Follow all local, state, federal and provincial regulations for disposal.

HAZARDOUS WASTE NUMBER: Not a RCRA hazardous waste.

SECTION 14 — TRANSPORTATION INFORMATION

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

U.S. DEPARTMENT OF TRANSPORTATION GROUND (49 CFR)

PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS OR DIVISION: None

IDENTIFICATION NUMBER: None

PACKING GROUP: None

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA)

PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS OR DIVISION: None

IDENTIFICATION NUMBER: None

PACKING GROUP: None

WATER TRANSPORTATION (IMO/IMDG)

PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS OR DIVISION: None

IDENTIFICATION NUMBER: 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 (40CFR 372).
CUMENE HYDROPEROXIDE (CAS# 80-15-9).

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

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.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.