



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: EZ POXY FAST SET SYRINGE—PART A **DATE PREPARED:** JULY 11, 2011
PART NUMBER: 74530
PRODUCT TYPE: EPOXY RESIN **CHROMATE INDUSTRIAL CORPORATION**
5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206

SECTION 2 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS: HEALTH: *2 **FLAMMABILITY:** 1 **PHYSICAL HAZARD:** 0 **PERSONAL PROTECTION:** See Section 8

PHYSICAL STATE: Paste **COLOR:** Gray **ODOR:** Mild

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

RELEVANT ROUTES OF EXPOSURE: EYE CONTACT, INGESTION, INHALATION, and SKIN ABSORPTION

POTENTIAL HEALTH EFFECTS

INHALATION: Mild respiratory tract irritation. May cause irritation to nose and throat. Coughing.

SKIN CONTACT: Allergic skin reaction. Rash. Itching. Moderate skin irritation. Redness.

EYE CONTACT: Moderate eye irritation. Redness. Excess tearing.

INGESTION: May cause gastrointestinal tract irritation if swallowed.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: Skin disorders. Skin allergies. Eye 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	%
ALUMINUM OXIDE, FIBROUS	1344-28-1	30 - 60
EPOXY RESIN	Proprietary	10 - 30
SILICON CARBIDE	409-21-2	5 - 10
SILICON DIOXIDE	7631-86-9	1 - 5
MAGNESIUM OXIDE	1309-48-4	1 - 5
TREATED FUMED SILICA	67762-90-7	1 - 5
OXIRANE, 2,2'-((2,2-DIMETHYL-1,3-PROPANEDIYL) BIS(OXYMETHYLENE))BIS-(9CI)	17557-23-2	1 - 5

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: Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

INGESTION: *DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL.* Keep individual calm. If symptoms develop and persist, 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: > 93°C (> 199.4°F) ; Estimated
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: In case of fire, keep containers cool with water spray. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon. Irritating organic fragments. Aldehydes.

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: Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

SECTION 7 — HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container closed.
STORAGE: 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 (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
ALUMINUM OXIDE, FIBROUS	None	5 mg/m ³ TWA Respirable Fraction 15 mg/m ³ TWA Total Dust	None	None
EPOXY RESIN	None	None	None	None
SILICON CARBIDE	10 mg/m ³ TWA Inhalable Fraction 3 mg/m ³ TWA Respirable Fraction	5 mg/m ³ TWA Respirable Fraction 15 mg/m ³ TWA Total Dust	None	None
SILICON DIOXIDE	6 mg/m ³ TWA	20 MPPCF TWA 0.8 mg/m ³ TWA	None	3mg/m ³ TWA Respirable Fraction
MAGNESIUM OXIDE	10 mg/m ³ TWA Inhalable Fraction	15 mg/m ³ TWA Total Particulate	None	None
TREATED FUMED SILICA	10 mg/m ³ TWA Inhalable Dust 3 mg/m ³ TWA Respirable Fraction	15 mg/m ³ TWA Total Dust 5 mg/m ³ TWA Respirable Fraction	None	None
OXIRANE, 2,2'-((2,2-DIMETHYL-1,3-PROPANEDIYL) BIS(OXYMETHYLENE))BIS-(9CI)	None	None	None	None

ENGINEERING CONTROLS: Use local exhaust ventilation if the potential for airborne exposure exists.
RESPIRATORY PROTECTION: Use a NIOSH-approved air-purifying respirator if the potential to exceed established exposure limits exists.
EYE/FACE PROTECTION: Safety goggles or safety glasses with side shields.
SKIN PROTECTION: Chemical resistant, impermeable gloves.

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

SECTION 14 — TRANSPORTATION INFORMATION**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:** Immediate Health, Delayed Health.**CERCLA/SARA 313:** None above reporting de minimus.**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.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.

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EZ POXY FAST SET SYRINGE—PART B DATE PREPARED: JULY 11, 2011
 PART NUMBER: 74530
 PRODUCT TYPE: EPOXY HARDENER CHROMATE INDUSTRIAL CORPORATION
 5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206

SECTION 2 — COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS	%	ACGIH TLV	OSHA PEL	OTHER
PENTAERYTHRITOL-PO-MERCAPTOGLYCEROL	72244-98-5	60-100	None	None	None
N-(2-AMINOETHYL)PIPERAZINE	140-31-8	5-10	None	None	None
ALIPHATIC AMINES	Proprietary	5-10	None	None	None
PHENOL, 2,4,6-TRIS[(DIMETHYLAMINO)METHYL]	90-72-2	5-10	None	None	None
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5	1-5	10mg/m ³ TWA inhalable 3mg/m ³ TWA respirable	6mg/m ³ TWA	None

SECTION 3 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
 HMIS: HEALTH: 3 FLAMMABILITY: 1 PHYSICAL HAZARD: 1 PERSONAL PROTECTION: See Section 8

PHYSICAL STATE: Liquid COLOR: Amber Clear ODOR: Mercaptan, Amine

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS.
 MAY CAUSE ALLERGIC SKIN REACTION.
 HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN.

RELEVANT ROUTES OF EXPOSURE: EYE CONTACT, INGESTION, INHALATION, and SKIN CONTACT

POTENTIAL HEALTH EFFECTS

INHALATION: Respiratory tract burns. May cause respiratory tract irritation. May cause irritation to nose and throat. Lung damage.
SKIN CONTACT: May cause skin burns. Allergic skin reaction. May be harmful if absorbed through skin. Rash. Redness. Tissue damage.
EYE CONTACT: Burns. Severe eye irritation. Redness. Tissue damage.
INGESTION: May be harmful if swallowed. May cause burns of mouth and throat if swallowed.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: Skin disorders. Skin allergies. Respiratory disorders. Eye disorders. Asthma.
 See Section 11 for additional toxicological information.

SECTION 4 — FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
SKIN CONTACT: Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms occur.
EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
INGESTION: DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Get medical attention immediately.
NOTES TO PHYSICIAN: None.

SECTION 5 — FIRE-FIGHTING MEASURES

FLASH POINT: Greater than 93°C(200°F). Tagliabue Closed Cup

AUTO-IGNITION TEMPERATURE: Not available

FLAMMABLE/EXPLOSIVE LIMITS **LOWER:** Not available **UPPER:** Not available

EXTINGUISHING MEDIA: Water spray (fog), 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: In the event of fire, cool tanks with water spray.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon. Oxides of Nitrogen. Ammonia. Amines. Nitric acid. Nitrosamines. Irritating organic fragments.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS: Prevent product from entering drains or open waters.

CLEAN-UP METHODS: Remove all ignition sources. Immediately contact emergency personnel. Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

SECTION 7 — HANDLING AND STORAGE

HANDLING: Keep away from heat, spark and flame. Do not breathe mist or vapors. Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

STORAGE: Store at or below 37.8°C (100°F). Store in original container until ready to use. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

INCOMPATIBLE PRODUCTS: *Refer to Section 10.*

For information on product shelf life contact CIC Customer Service at (800) BUY-BOLT.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.

RESPIRATORY PROTECTION: Use a NIOSH-approved air-purifying respirator if the potential to exceed established exposure limits exists.

SKIN PROTECTION: Chemical resistant, impermeable gloves. Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

EYE/FACE PROTECTION: Chemical splash goggles or safety glasses with side shields.

See Section 2 for EXPOSURE LIMITS.

SECTION 9 — PHYSICAL / CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mercaptan, Amine

pH: Not applicable

BOILING POINT/RANGE: Not available

SPECIFIC GRAVITY: 1.04

EVAPORATION RATE: Not available

PARTITION COEFFICIENT (N-OCTANOL/WATER): Not available

VOC CONTENT: 3.7%; 0.377 grams/liter

COLOR: Amber Clear

ODOR THRESHOLD: Not available

VAPOR PRESSURE: Not available

MELTING POINT/ RANGE: Not available

VAPOR DENSITY: Not available

SOLUBILITY IN WATER: Slightly Soluble

SECTION 10 — STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS REACTIONS: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: None

INCOMPATIBLE MATERIALS: Strong acids. Strong Oxidizers. Halogenated compounds. Strong mineral acids. Reactive metals. Calcium Hypochlorite. Sodium Hypochlorite. Nitrous Acid and other nitrosating agents.

CONDITIONS TO AVOID: Excessive heat. Storage with incompatible materials.

SECTION 11 — TOXICOLOGICAL INFORMATION

HAZARDOUS COMPONENTS	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN (Specifically Regulated)
PENTAERYTHRITOL-PO-MERCAPTOGLYCEROL NO 72244-98-5		NO	NO
N-(2-AMINOETHYL)PIPERAZINE 140-31-8	NO	NO	NO
ALIPHATIC AMINES PROPRIETARY	NO	NO	NO
PHENOL, 2,4,6- TRIS[(DIMETHYLAMINO)METHYL] 90-72-2	NO	NO	NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	NO	NO	NO

HAZARDOUS COMPONENTS	HEALTH EFFECTS/TARGET ORGANS
PENTAERYTHRITOL-PO-MERCAPTOGLYCEROL 72244-98-5	NO DATA
N-(2-AMINOETHYL)PIPERAZINE 140-31-8	IRRITANT, CORROSIVE, ALLERGEN
ALIPHATIC AMINES PROPRIETARY	NO DATA
PHENOL, 2,4,6-TRIS[(DIMETHYLAMINO)METHYL] 90-72-2	ALLERGEN, IRRITANT
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	NUISANCE DUST

SECTION 12 — ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

SECTION 13 — DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

RECOMMENDED METHOD OF DISPOSAL: Dispose according to EPA and local governmental regulations.

HAZARDOUS WASTE NUMBER: Not a RCRA hazardous waste.

SECTION 14 — TRANSPORTATION INFORMATION

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

PROPER SHIPPING NAME: AMINES, LIQUID, CORROSIVE, N.O.S. (AMINOETHYLPIPERAZINE , ALIPHATIC AMINES)

HAZARD CLASS OR DIVISION: 8

IDENTIFICATION NUMBER: UN 2735

PACKING GROUP: II

EXCEPTIONS: (NOT MORE THAN 1L) CONSUMER COMMODITY ORM-D

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA)

PROPER SHIPPING NAME: AMINES, LIQUID, CORROSIVE, N.O.S. (AMINOETHYLPIPERAZINE , ALIPHATIC AMINES)

HAZARD CLASS OR DIVISION: 8

IDENTIFICATION NUMBER: UN 2735

PACKING GROUP: II

WATER TRANSPORTATION (IMO/IMDG)

PROPER SHIPPING NAME: AMINES, LIQUID, CORROSIVE, N.O.S. (AMINOETHYLPIPERAZINE , ALIPHATIC AMINES)

HAZARD CLASS OR DIVISION: 8

IDENTIFICATION NUMBER: UN 2735

PACKING GROUP: II

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

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.

CERCLA/SARA SECTION 302 EHS: None above reporting de minimus.

CERCLA/SARA SECTION 311/312: Immediate Health Hazard.

CERCLA/SARA 313: None above reporting de minimus.

CALIFORNIA PROPOSITION 65: No California Proposition 65 listed chemicals are known to be present.

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: E, D.2.B

SECTION 16 — OTHER INFORMATION

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