



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: DUAL EPOXY FOR CONCRETE ANCHOR **DATE PREPARED:** SEPTEMBER 17, 2013
PART NUMBER: 74534
PRODUCT TYPE: EPOXY ADHESIVE / SEALANT **CHROMATE INDUSTRIAL CORPORATION**
CHEMICAL FAMILY: *RESIN:* EPOXIDE **5250-A NAIMAN PARKWAY, SOLON, OH 44139 • (888) 567-2206**
HARDENER: AMINE

SECTION 2 — COMPOSITION / INFORMATION ON INGREDIENTS

Part A: Hazardous Component	CAS #	% By Weight	PEL	TLV	STEL
Diglycidyl Ether of Bisphenol A	25085-99-8	> 50%	NE	NE	NE
Non-Hazardous proprietary ingredients	-	< 50%	NE	NE	NE
Part B: Hazardous Component	CAS #	% By Weight	PEL	TLV	STEL
n-aminoethylpiperazine	140-31-8	10% – 30%	NE	NE	NE
Nonyl phenol-	84852-15-3	10% – 30%	NE	NE	NE
Non-Hazardous proprietary ingredients	-	> 40%	NE	NE	NE

SECTION 3 — HAZARDS IDENTIFICATION

Known Hazards: **Part A:** Skin and eye irritation. Sensitizer; **Part B:** Corrosive

Signs and Symptoms of Exposure: **Part A:** Eyes: Irritation. Corneal injury is not expected. Skin: Irritation. Can cause allergic skin reactions in susceptible individuals, e.g. itching, redness, swelling, etc. Inhalation: No ill effects expected. Heated vapors can cause irritation. **Part B:** Eyes: Irritation. Possible eye burns. Skin: Can cause irritation and skin burns. Inhalation: No ill effects expected. Heated vapors can cause irritation.

Medical Conditions Aggravated by Exposure: Skin, eye, and respiratory conditions

Routes of Exposure: Dermal. Inhalation.

Carcinogenicity: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

SECTION 4 — FIRST AID MEASURES

Inhalation: Move to fresh air; give oxygen if breathing is difficult. Call a physician if symptoms persist.
Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if symptoms persist.
Skin: Wash with mild soap and water. Launder contaminated clothing before reuse.
Ingestion: If conscious, give plenty of water; do not induce vomiting unless directed to by a physician. Call a physician.
Other: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If Sensitization occurs, future contact with the material should be avoided.

SECTION 5 — FIRE FIGHTING MEASURES

Flash Point: **Part A:** > 300° F. **Part B:** > 200° F **Flammable Limits:** N/A
Extinguisher Media: Carbon Dioxide, Dry Chemical, Water Spray, Foam.
Special Fire Fighting Procedures: Use a self-contained breathing apparatus when fighting fires involving chemicals.
Unusual fire and Explosion Hazards: None known. Thermal decomposition products can be formed.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Avoid all personal contact, scoop up with spade and place in disposable metal container. Flush contaminated areas.

SECTION 7 — HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Avoid prolonged inhalation of vapors. Use with adequate ventilation. Wash thoroughly after handling. Store in a cool dry place out of direct rays of the sun. Keep from freezing. Recommended storage temperature range in between 40° and 95° F.

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

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory Protection: None normally required. Use a NIOSH –approved organic vapor chemical cartridge Respirator when air movement is inadequate to control vapor build-up.

Ventilation: General (natural or mechanical induced fresh air movements)

Eye Protection: Wear splash proof chemical goggles

Protective Gloves: Cloth or impermeable (neoprene or rubber) gloves

Other Protective Clothing or Equipment: Wear appropriate apparel to prevent skin contact

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Part A: White Paste; **Part B:** Black Paste **Specific Gravity (g/cc): Part A:** 1.58; **Part B:** 1.69

Odor: Part A: Slight Odor; **Part B:** Slight Amine Odor **pH:** N/D **Boiling Point:** N/A

Vapor Density: Non-volatile **Vapor Pressure:** N/A **VOC Content:** 0 g/l

Solubility in Water: Insoluble **Evaporation Rate:** Non-volatile

SECTION 10 — STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur **Stability:** Stable

Incompatibility: Strong acids, peroxides, and other oxidizing agents

Hazardous Decomposition Products: Thermal decomposition can yield CO, CO₂ and organic Nitrogen compounds.

Conditions to Avoid: Exposure to excessive heat and storage above 95° F will shorten shelf life

SECTION 11 — TOXICOLOGICAL INFORMATION

For detailed toxicological information on the components of this material, contact the address listed in Section 1.

SECTION 12 — DISPOSAL CONSIDERATIONS

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

SECTION 13 — TRANSPORT INFORMATION**DOT Shipping Information:**

CARTRIDGE - Consumer commodity, ORM-D

BULK – Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III

IMDG Shipping name:

CARTRIDGE: Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III, Ltd Qty

BULK: Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III

IATA Shipping name:

CARTRIDGE: Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III

BULK: Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III

SECTION 14 — REGULATORY INFORMATION

Hazard Communication: This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.

EPA Waste Code(s): Not regulated by EPA as a hazardous waste

SARA Title III, Section 313: This product contains no chemicals which are subject to reporting under Section 313 of SARA Title III

HMIS Rating	Part A	Part B	NFPA Hazard Rating	Part A	Part B
Health	2	2	Health	1	2
Flammability	1	1	Flammability	1	1
Reactivity	0	0	Reactivity	0	0
PPE	B	B			

TSCA Inventory Status: Chemical components listed on TSCA inventory

Abbreviations: PEL = OSHA Permissible Exposure Limit; TLV = ACGIH Threshold Limit Value; C = Ceiling; STEL = Short Term Exposure Limit; NE = None Established; NA = Not Applicable. ND = Not Determined; ppm = parts per million

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