
SECTION IV – 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 V - FIRE AND EXPLOSION HAZARD DATA

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 VI – ACCIDENTAL RELEASE MEASURES

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

SECTION VII - PRECAUTIONS FOR SAFE 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.

SECTION VIII – EXPOSURE CONTROL MEASURES

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 IX - PHYSICAL/CHEMICAL CHARACTERISTICS

	Part A:	Part B:
Appearance:	White Paste	Black Paste
Odor:	Slight Odor	Slight Amine Odor
Vapor Density:	Non-volatile	Non-volatile
VOC Content: 0 g/l		

SECTION X - REACTIVITY DATA

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 XI – TOXICOLOGICAL INFORMATION

Part A:

Acute Oral Toxicity: LD50: > 2,000 mg/kg

Acute Dermal Toxicity: LD50: > 2,000 mg/kg

Chronic Health Hazard: Many studies have been conducted to assess the potential carcinogenicity of diglycidyl ether of bisphenol A (DGEBA). Indeed, the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEBA is not classified as a carcinogen. Although some weak evidence of carcinogenicity has been reported in animals, when all of the data are considered, the weight of evidence does not show that DGEBA is carcinogenic.

Developmental Toxicity: Resins based on the diglycidyl ether of bisphenol A (DGEBA) did not cause birth defects or other adverse effects on the fetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure, or when pregnant rats or rabbits were exposed orally.

Reproductive Toxicity: In animal studies, did not interfere with reproduction.

Genetic Toxicology: In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

Potential Health Effects:

Inhalation: Not expected to be a relevant route of exposure, however, under conditions where exposure to vapors or mists is possible, could cause respiratory tract irritation.

Skin: May be mildly irritating to the skin. Contact with hot material can cause thermal burns which may result in permanent damage. May cause skin sensitization.

Eyes: May be mildly irritating to the eyes. Contact with hot material can cause thermal burns which may result in permanent damage or blindness.

Ingestion: Not likely to be a relevant route of exposure.

Part B:

Eye irritation/corrosion: Eye irritation.

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Acute dermal irritation/corrosion: Moderate skin irritation.

Sensitization: May cause sensitization by skin contact. Sensitization has occurred in laboratory animals after repeated exposures.

Oral: LD50 2.15 g/kg (rat) slightly toxic

Inhalation: Not determined.

Dermal: LD50 .90 g/kg (rabbit) moderately toxic

Skin: (Draize) 8.00 /8.0 (rabbit) corrosive

Eyes: (Draize) Believed to be > 80.00 - 110.00 /110 (rabbit) extremely irritating

Sensitization: (Buehler) Negative - skin (guinea pig)

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

BOD5 and COD: Not Available

Products of Biodegradation: Not available

Toxicity of the Products of Biodegradation: Not available

Special Remarks on the Products of Biodegradation: Not available

SECTION XIII – DISPOSAL CONSIDERATIONS

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

SECTION XIV – TRANSPORT INFORMATION

DOT Shipping Information: Consumer commodity, ORM-D

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

IATA Shipping name: Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III

SECTION XV – OTHER REGULATORY INFORMATION

US OSHA 29CFR 1910.1200: Considered non-hazardous under this regulation

SARA (Title III) Sections 311 & 312: Not listed

SARA (Title III) Section 313: Not subject to reporting requirements

TSCA (May 1997): All components are on the TSCA inventory list

Federal Hazardous Substances Act: Considered non-hazardous under this regulation

Canadian Environmental Protection Act: Not listed

Canadian WHMIS: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

SECTION XVI – OTHER INFORMATION

CEMENT & CONCRETE PRODUCTS™**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

HMIS-III:

Health –	0 = No significant health risk 1 = Irritation or minor reversible injury possible 2 = Temporary or minor injury possible 3 = Major injury possible unless prompt action is taken 4 = Life threatening, major or permanent damage possible
Flammability-	0 = Material will not burn 1 = Material must be preheated before ignition will occur 2 = Material must be exposed to high temperatures before ignition 3 = Material capable of ignition under normal temperatures 4 = Flammable gases or very volatile liquids; may ignite spontaneously
Physical Hazard-	0 = Material is normally stable, even under fire conditions 1 = Material normally stable but may become unstable at high temps 2 = Materials that are unstable and may undergo react at room temp 3 = Materials that may form explosive mixtures with water 4 = Materials that are readily capable of explosive water reaction

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