



Material Safety Data Sheet

Section 1 – Product and Company Information

Product Name: Industrial Epoxy-Hardener

Emergency Telephone Number:
InfoTrac: 800-535-5053

Manufacturer: Architectural Enhancements
475 Annandale Blvd
PO Box 1124
Annandale, MN 55302

Telephone Number for Information:
320-274-6909

Date Prepared: 12/24/08

Signature of Preparer: Will Christenson

The Information below is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

Section 2 – Hazardous Ingredients

| Compound | CAS # | OSHA PEL Total | ACGIH TLV TWA |
|------------------------|-----------|-------------------|------------------|
| Nonylphenol | 84852153 | Not Available | |
| Polyoxyalkyleneamine | 90-46-100 | Not Available | |
| Isophoronediamine | 3236-53-1 | Not Available | |
| n-Aminoethylpiperazine | 140-31-8 | Not Available | |

Section 3 – Physical/Chemical Characteristics

Boiling Point: Not Available

Specific Gravity: 0.95 g/cm³

Vapor Pressure: <1mm Hg @ 68 F

Melting Point: Not Available

Vapor Density: Not Available

Evaporation Rate: Slower than n-Butyl
Acetate

Solubility in Water: Soluble

Appearance and odor: Clear liquid, amine odor.

Section 4 – Fire and Explosion Hazard Data

Flash Point: 154 F

Flammable Limits: LEL, None

UEL, None

Extinguishing Media: Use water fog, foam, dry chemical or CO₂

Fire Fighting Procedure: Wear self-contained positive pressure breathing apparatus, (MSHA / NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if

exposed to heat. Cool with water spray. Water run-off can cause environmental damage. When possible dike and collect water used to fight fire.

Unusual Fire & Explosion Hazards: None known.

Section 5 – Reactivity Data

Stability/Instability: Stable under normal conditions.

Conditions to Avoid: High temperatures.

Incompatible Materials: Oxidizing materials, acids, peroxides, aldehydes, ketones, halogenates organic compounds.

Hazardous Decomposition Products: Not available.

Polymerization: Product will not undergo polymerization.

Section 6 – Health Hazard Data

Potential Health Effects: Eye Contact: Causes irritation, experienced as pain, with excessive blinking and tear production, seen as marked excess redness and swelling with chemical burns of the eye. Severe eye damage may cause blindness.

Skin Contact: Causes severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation and possible tissue destruction.

Inhalation: Vapors or mists are irritating to the upper respiratory tract and cause nasal discharge, coughing and discomfort or pain in eyes, nose, throat and chest. Severe overexposure may result in difficulty breathing, headache, nausea, vomiting, and drowsiness. Prolonged or repeated exposure may result in permanent lung damage.

Ingestion: May cause gastrointestinal irritation. Causes burning of mouth, throat and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

General: Repeated skin contact may cause a persistent irritation or dermatitis. Repeated inhalation may cause lung damage.

First aid measures: Eye Contact: Flush thoroughly with water for at least 15 minutes. Get immediate medical attention.

Skin Contact: Immediately flush with large amounts of fresh water for at least 15 minutes. Get medical attention. Wash clothing before re-use. Destroy non-resistant footwear. If burn is present, treat as any thermal burn after decontamination.

Inhalation: Should symptoms develop, remove to fresh air. If victim is not breathing start artificial respiration. If breathing is difficult, or cyanosis is noted qualified personnel may administer oxygen. Get immediate medical attention.

Ingestion: Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Note to Physician: Due to the corrosive nature of this material, swallowing may result in severe ulceration, inflammation, and possible perforation of the upper alimentary tract, with hemorrhage and fluid loss. Aspiration of this product during induced emesis can result in severe lung injury. Evacuation of stomach contents should be done by means least likely to cause aspiration.

Section 7 – Precautions for Safe Handling and Use

In case of spill: Use personal protective equipment as described in section 8. Absorb spills with inert materials and place in a chemical waste container. Obey relevant local, state, provincial, and federal laws and regulations. Prevent runoff to sewers, streams, or other bodies of water. If runoff occurs, notify proper authorities as required. Avoid use of water; product is highly toxic to aquatic life.

Handling: Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Eye wash and safety shower should be available nearby when this product is handled or used. Ground and bond containers when transferring material. Follow all MSDS / label precautions even after container is emptied because it may retain product residue.

Storage: Keep away from heat, sparks, and open flame. Keep container closed when not in use. Supply air respiratory protection for cleaning large spills or upon entry into tanks, vessels, or other confined spaces. Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower.

Section 8 – Control Measures

Eye Protection: Chemical splash goggles.

Skin Protection: Impermeable gloves.

Respiratory Protection (Specific Type): Respiratory protection meeting OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant a respirator use.

Ventilation Recommended: Use adequate ventilation.

Other Protection: Wear protective apron if splashing or repeated contact is likely. Safety showers and eye wash fountain should be readily available.