

EPOX-Z NRG™

Safety Data Sheet

Version: 3.0

Revision Date: 06/01/2015

1 -- PRODUCT AND COMPANY IDENTIFICATION

Product Name: **EPOX-Z NRG™**
Manufacturer: **EPOX-Z Corporation**
82 Bowker Street
Norwell MA 02061

Distributor: **EPOX-Z Corporation**
82 Bowker Street
Norwell, MA 02061

Information Telephone: **(781) 561-7227**

Emergency Telephone: **(978) 838-3207**

2 - HAZARDS IDENTIFICATION

Hazard Description: May be eye, skin and respiratory irritant.

Maybe dermal sensitizer.

Harmful if absorbed through skin

Part B (curing agent) may cause adverse effects to the Central Nervous System

HMIS: (Note, there are recommended ratings. It is the responsibility of the employer to evaluate products and train employees on the hazards of those products prior to use.

HEALTH: 1*

FLAMMABILITY: 1

REACTIVITY: 0

Exposure Guidelines: See SECTION 2 - Composition/Information on Ingredients

Aggravated Medical Conditions: Preexisting skin disorders may be aggravated. Preexisting allergies may be aggravated.

3 -- COMPOSITION/INFORMATION ON INGREDIENTS

Part A:

Component	CAS #	Concentration (% weight)	OSHA TWA	ACGIH TLV	Vapor Pressure
Bisphenol A Epoxy Resin	25085-99-8	45 – 55	Not Listed	Not Listed	Not Applicable
Proprietary	Proprietary	12 – 18	Not Listed	Not Listed	< 0.1 mm Hg @ 20°C
Silica (Fumed)	67762-90-7	0.5 – 1.0	Respirable Dust 6 mg/m ³	Respirable Dust 10 mg/m ³	Not Applicable

Part B:

Component	CAS #	Concentration (% weight)	OSHA TWA	ACGIH TLV	Vapor Pressure
Cycloaliphatic Amine	Proprietary mixture	100	Not Listed	Not Listed	Not Applicable

Note: Mixed product = 100 parts A to 35 parts B (by weight)

4-- HAZARDS IDENTIFICATION

Hazard Description: May be severe eye, skin and respiratory irritant.

Maybe dermal sensitizer.

Harmful if absorbed through skin

Part B (curing agent) may cause adverse effects to the Central Nervous System

HMIS: (Note, there are recommended ratings. It is the responsibility of the employer to evaluate products and train employees on the hazards of those products prior to use.

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

Exposure Guidelines: See SECTION 3 - Composition/Information on Ingredients

Aggravated Medical Conditions: Preexisting skin disorders may be aggravated. Preexisting allergies may be aggravated

5 – FIRST AID MEASURES

- Inhalation:** Remove to fresh air immediately. If breathing has stopped, start resuscitation and administer oxygen. Call a physician.
- Eyes:** Flush exposed eyes with water for at least 15 minutes. An eye exam should be performed if irritation or pain persists after flushing.
- Skin:** Wash the exposed area with soap and water. Physician should examine the exposed area if irritation or pain persists.
- Ingestion:** Dilute with large amounts of water or milk. **DO NOT INDUCE VOMITING**
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6 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Water fog may be used to cool unruptured container which may otherwise experience pressure buildup in a fire situation. Use supplied air in enclosed areas.

UNUSUAL FIRE & EXPLOSION HAZARDS: Closed containers may explode when exposed to extreme heat. During a fire situation, smoke may contain toxic/irritating product including phenolics, CO and CO₂. Curing agent may also emit nitrous oxide, toxic organic vapors

7 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary personnel away. See SECTION 8 – Exposure Controls and Personal Protection

Environmental Protection: Do not wash into potable water supply sources

Clean-up Methods: Eliminate all sources of ignition. Dike large spills and pump into salvage tank. Absorb with suitable material. Do not wash into potable water supply sources.

8 – HANDLING AND STORAGE

Handling: Avoid prolonged or repeated skin contact or breathing of vapors and mists. Use only with adequate ventilation. Prohibit eating or smoking. ***Do Not Work Alone! Keep Away From Children! For Professional & Industrial Use Only!***

Storage: Store at 40-95 °F. Do not freeze. Keep tightly closed when not in use. Keep away from heat, sparks and open flame.

9 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Use only with ventilation to keep levels below exposure guidelines (see Section 2). User should test and monitor exposure levels to insure personnel are not overexposed.

Personal Protective Equipment requirements depend upon the conditions of use. The following are general recommendations:

RESPIRATORY:

1. In outdoor or open areas with unrestricted ventilation - Approved mechanical filter respirator to remove solid airborne particulates of overspray during spray application.
2. In restricted ventilation areas - Approved chemical/mechanical filters designed to remove vapors and particulates.
3. In confined areas - In accordance with 29 CFR 1910.146.

VENTILATION:

Local exhaust.

PROTECTIVE GLOVES:

Required for prolonged or repeated contact. Use Neoprene, rubber

EYE PROTECTION:

Eye protection designed to protect against liquid splashes should be worn.

OTHER PROTECTIVE EQUIPMENT:

Clean, long legged, long sleeved work clothes recommended (depending on environmental conditions versus potential for exposure).

HYGIENIC PRACTICES:

Those with sensitive skin should use a skin pre-treatment cream. Wash hands before eating or smoking.

10 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	Not Available
VAPOR DENSITY:	Heavier than air
APPEARANCE/ODOR:	<i>Part A:</i> Gray liquid with mild odor <i>Part B:</i> Amber liquid with mild odor
WEIGHT/GALLON:	<i>Part A:</i> 6.85 lbs <i>Part B:</i> 8.8 lbs
PERCENT VOLATILE:	nil
VOC:	nil
EVAPORATION RATE:	Slower than ether

11 – STABILITY AND REACTIVITY

Stability: Stable

Materials to avoid: Amines, bases, reducing agents, nitrosating agents, reactive metals, acids, oxidizing agents

Dangerous reactions: None known under normal conditions of use

Hazardous decomposition products: During a fire situation, smoke may contain toxic/irritating product including phenolics, CO and CO₂. Part B (curing agent) may also emit nitrous oxide, toxic organic vapors

12 – TOXICOLOGICAL INFORMATION

Acute Health Hazards:

May be eye, skin and respiratory irritant.

May be dermal sensitizer.

Harmful if absorbed through skin

Components in Part B (curing agent) may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

Severe cases of inhalation overexposure can result in respiratory failure

Chronic Health Hazards:

Long term exposure may lead to dermatitis.

Components in Part B (curing agent) may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

Severe cases of inhalation overexposure can result in respiratory failure

Crystalline Silica – sufficient evidence that inhaled crystalline silica causes cancer in humans.

Exposure not expected under normal conditions of use since dust is “wet-up” in the product.

Target Organs:

eye, skin and respiratory system, central nervous system.

13 – ECOLOGICAL INFORMATION

No data available on product

14 – DISPOSAL CONSIDERATIONS

Dispose product and packaging in accordance with local, state, and federal regulations.

For further information, contact your state or local solid waste agency or the U.S. EPA RCRA Hotline (1-800-424-9346).

15 – TRANSPORT INFORMATION

DOT CLASS: **Part A:** Not DOT Hazardous
 Part B: Not DOT Hazardous

16 – REGULATORY INFORMATION

TOXIC SUBSTANCE CONTROL ACT (TSCA):

All ingredients listed

EPA SARA TITLE III SECTION 302 (40 CFR 355) - EHS:

none

EPA SARA TITLE III SECTION 313) (40 CFR 372):

(if $\geq 1\%$ for hazardous or $\geq 0.1\%$ for listed carcinogens)

none

CALIFORNIA PROPOSITION 65:

Certain raw materials used in making this product contain materials which are regulated by Proposition 65. Oxirane-122-60-1

CANADIAN REGULATIONS:

DSL: All ingredients are listed

WHMIS: Part A: Class D1 (Toxic)

 Part B: Class D2 (Very Toxic)

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information. As these are proprietary formulations, the actual percentage of ingredients have been omitted pursuant to the OSHA Federal Hazard Communication Standard.