

12/2016



SAFETY DATA SHEET- Illuminating Epoxy

SECTION 1: Identification

Product Name: Foxfire/Lumaware Illuminating Epoxy PART A

Synonyms: EDS, Epoxy Delivery System, DIY KIT, Epoxy Tube

Product Use Description: Illuminating Liquid Epoxy for application to floors, stairs, tools and other locations/items in need of illumination where applicable.

Company: MN8 Products

10179 Wayne Avenue, Cincinnati, Ohio 45215

MN8 Products Call center: (513) 761-7614

Chemtrec: (800) 424-9300(Emergency Contact)

Section 2: Hazard(s) Identification

Classification: Flammability: Class IIIB

Carcinogen: NO

Skin Irritation: Single exposure no risk

Absorption: Repeated exposure to the skin can cause sensitization

Pictograms:



Signal Word: None

Hazard Statement:

- Prolonged skin exposure may cause irritation.
- May cause Eye irritation if direct contact.
- May cause lung irritation if vapors repeatedly inhaled.
- Grinding or other abrasive action to cured film may develop Micro crystalline Silica dust.

Precautionary Statements:

Prevention:

- Read all instructions prior to handling product.
- Avoid contact with strong oxidizing agents, Strong acids, Strong bases.
- Mixing large quantities (1 gallon) with amines or epoxy hardener's can cause heat build-up and hazardous reaction.
- Decomposition and combustion products may be toxic.
- Wear gloves and Eye protection (as needed for face/ skin protection).
- Wash hands or contacted skin thoroughly after handling.
- Do not eat drink or smoke while using the product.
- Use in well ventilated area. Do not breathe vapors
- Avoid elevated temperatures
- Grinding or other abrasive action to cured film may develop Micro crystalline Silica dust. Wear a dust mask during such operations.

Response:

In case of fire: Use Foam, Dry Chemical, or Co2 extinguishing agents.

If Swallowed: Not likely to occur in normal handling. Give large quantities of water and seek medical attention.

Skin contact: Wash with mild soap and warm water. Remove contaminated clothes. Wash before re use of clothing.

Eye Exposure: Flush at once with potable water for at least 15 minutes.

Inhalation: Remove to fresh air. Administer Oxygen if breathing is difficult.

Storage:

- Keep containers tightly closed when not in use.
- Maintain products in climate controlled environment until use. (65 degrees Fahrenheit - 85 degrees Fahrenheit)
- Do not store product in unapproved containers not provided by the manufacturer.

Disposal:

- Dispose of in an approved incinerator or approved landfill

Section 3: Composition/Information on Ingredients

Component	CAS-No.	Weight%
Epoxy Resin	25068-38	70-90%
Alkyl Glycidyl Ether	120547-52-6	1-10%
Ethoxylated Triacrylated Esters	28961-43-5	1-10%
Methyl Esters	67762-38-3	1-10%

Substances listed are present in concentration of 1% or greater, or 0.1% if cited as a potential Carcinogen in the OSHA hazards communication standard. Where proprietary ingredient is listed, the identity is available as provided in 29 CFR 1910.1200.

Section 4: First Aid Measures

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INHALATION: Exposure to vapors at elevated temperatures may cause irritation to respiratory tract and difficulty breathing. Remove to fresh air. Administer oxygen if breathing is difficult.

EYE: May cause irritation to the eyes. Flush at once with potable water for at least 15 minutes.

SKIN: A single exposure to the skin is unlikely to result in harm. Wash with soap and warm water. Remove contaminated clothes. Wash before reuse.

Destroy contaminated shoes.

SKIN ABSORPTION: Repeated exposure to the skin can cause sensitization.

INGESTION: Oral toxicity is low. No hazards expected from normal industrial exposure. Give large quantities of water and get medical attention.

HEALTH HAZARDS (ACUTE AND CHRONIC)

CARCINOGENICITY:

NTP CARCINOGEN: NO **IARC MONOGRAPHS:** NO **OSHA REGULATED:** NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Allergy, Eczema, or skin conditions.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:

Small Fires: Any extinguisher suitable for class B fires, Dry chemical, CO₂, Foam.

Specific Hazards during Fire Fighting: Decomposition and/or products of combustion may be toxic.

Special protective equipment for firefighters: Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA-approved pressure demand self-contained breathing apparatus with full face-piece and protective clothing.

Further information: Isolate area of container or area involved in fire using approved agents. For large fires use of manned fire hose lines is approved.

Section 6: Accidental Release Measures

Personal Precautions:

Avoid direct contact. Use of approved PPE for safe handling of product is necessary.

Environmental Exposure: If product is spilled or discharged into rivers, lakes, streams, or drains notify respective authorities.

Methods for cleaning up: Avoid contact. Soak up with clay or other absorbent material. Place in covered container for disposal.

Section 7: Handling and Storage

Precautions for safe handling:

- Keep containers tightly closed when not in use.
- If mixture of A and B are allowed to remain in the mixing vessel past the pot life deadline, heat and a strong reaction will result.
- Grinding or other abrasive action to cured film may develop **micro crystalline Silica dust**.
- Wear a dust mask during such operations.
- Maintain products in climate controlled environment until use. (65 degrees Fahrenheit - 85 degrees Fahrenheit)
- Do not store product in unapproved containers not provided by the manufacturer.
- Wear appropriate skin and eye protection when handling open containers.

Conditions for safe storage, including incompatibilities:

- Avoid Elevated temperatures.
- Avoid contact with strong oxidizing agents, strong acids, and strong bases.
- Mixing large quantities (1 gallon) with amines or epoxy hardeners can cause heat build-up and hazardous reaction.

Section 8: Exposure control/ Personal Protection

Exposure Guidelines

Swallowing this corrosive material 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. If evacuation of stomach is necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation. Contact a Poison Control Center for additional treatment information.

Substances listed are present in concentration of 1% or greater, or 0.1% if cited as a potential Carcinogen in the OSHA hazards communication standard. Where proprietary ingredient is listed, the identity is available as provided in 29 CFR 1910.1200.

Continued PPE/ Hygiene Practices:

Engineering measures: Use adequate ventilation while working with or around products.

Eye Protection: Safety glasses or goggles are recommended where there is a possibility of splashing. Ensure there is an eye wash station or appropriate means for eye exposure treatment.

Hand Protection: Protective gloves made of latex or nitrile should be worn at all times while handling liquid product.

Skin and body protection: Avoid direct skin contact, wear approved gloves and normal clothing while handling product.

Respiratory Protection: If using product in a well ventilated area, respiratory protection is not necessary but is always recommended.

Work/Hygiene Practices: Emergency eyewash capabilities should be available in the proximity of operations while product is in use. Use good personal hygiene practices. Avoid repeated or prolonged skin exposure. Wash hands before eating, or drinking after handling products. Launder all exposed clothing prior to reuse. Discard gloves when product handling must be discontinued, and replace prior to commencing of handling products again. Dispose of all empty containers in appropriate trash receptacles.

Section 9 Physical and Chemical Properties

BOILING RANGE: Not determined

VAPOR DENSITY Not determined

VAPOR PRESSURE: Not determined

VOC: 0.00

SOLUBILITY IN WATER: NIL

APPEARANCE AND ODOR: Moderately viscous clear liquid with a mild

SPECIFIC GRAVITY (H2O=1): 1.11

FLASH POINT: >200° F

METHOD USED: Closed Cup

FLAMMABLE LIMITS IN AIR BY VOLUME **LOWER:** Not determined

UPPER: Not determined

EXTINGUISHING MEDIA: Foam, dry chemical CO 2

OSHA FLAMMABILITY CLASSIFICATION: Combustible liquid, Class III B

Section 10: Stability and Reactivity

STABILITY: Normally Stable

REACTIVITY DATA:

CONDITIONS TO AVOID: Elevated temperatures.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents, strong acids, and strong bases. Mixing large quantities (1 gallon) with amines or epoxy hardeners can cause heat build-up and hazardous reaction.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide, Carbon Dioxide, Phenolic Derivatives.

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11: Toxicological information

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Exposure to vapors at elevated temperatures may cause irritation to respiratory tract and difficulty breathing. Vapors may cause irritation to the eyes. A single exposure to the skin is unlikely to result in harm. Repeated exposure to the skin can cause sensitization. Oral toxicity is low. No hazards expected from normal industrial exposure.

HEALTH HAZARDS (ACUTE AND CHRONIC):

CARCINOGENICITY:

NTP CARCINOGEN: NO

IARC MONOGRAPHS: NO

OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Allergy, Eczema, or skin conditions.

Section 12: Ecological Information

Precautionary terms: Keep out of sewers, drainage areas, and waterways. Report spills, and releases as applicable, under Federal and State regulations.

Section 13: Disposal Considerations

Disposal: Dispose of container and unused contents in accordance with Federal, State, and Local requirements.

Section 14: Transport Information

SARA TITLE III SECTION 313: Unless shown below, this product does not contain the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
106-89-8	Epichlorohydrin	Trace

PROP 65 (CARCINOGEN): Unless shown below, this product does not contain chemicals known to the state of California to cause cancer

CAS #	Chemical Name	Percent by Weight
	None	

PROP 65 (TERATOGENIC): Unless shown below, this product does not contain chemicals known to the state of California to cause birth defects or other reproductive harm.

CAS#	Chemical Name	Percent by Weight
	None	

PROP 65 (CARCINOGENIC & TERATOGENIC): Unless shown below, this product does not contain chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

CAS #	Chemical Name	Percent by Weight
	None	

HAZARDOUS WASTE INFORMATION: Unless shown below, this product is not a hazardous waste according to definitions found in CFR-40.

STATE OF MICHIGAN CRITICAL MATERIALS: Unless shown below, this product does not contain ingredients appearing on the State of Michigan Critical Materials List.

CAS #	Chemical Name	Percent by Weight
	None	

D.O.T. PROPER SHIPPING NAME: Synthetic Resin Liquid

PROPER SHIPPING NAME: Synthetic Resin Liquid

Description: Epoxy

HAZARD CLASS: Non-hazardous

Section 15 Regulatory Information

OSHA Hazards: Mild Skin irritant, mild respiratory irritant, moderate eye irritant.

TSCA Status:

DSL Status:

SARA 313 Hazards: Acute Health Hazard

California Prop. 65: Unless shown below, this product does not contain chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

SECTION 16: DISCLAIMER

Data and recommendations presented herein are based upon our and other researchers and are believed to be accurate. The products discussed are distributed without warranty (expressed or implied) and the customer shall make his own determination of suitability for his particular purpose.