

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Epoxy.com Product #11 PART A "Resin"
PRODUCT CODE: 11 - "A"

HMIS CODES: H F R P
1 1 0 B

SECTION 1: MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Epoxy Systems, Inc.
ADDRESS: 20774 West Pennsylvania Ave
Dunnellon, FL 34431

EMERGENCY NUMBER: 1-800-633-8253
INFORMATION NUMBER: 1-352-489-1666

DATE PRINTED: Dec. 08
PREPARER: N. Lambert

SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	SCAS NUMBER	OSHA PEL	ACGIH TLV	WT %	CARCINOGEN
Epoxy Resin	25068-38-6	NE	NE	60-80	NO
Polypropylene Glycol	9072-62-2	NE	NE	20-40	
Glycidyl Ether					
Talc	14807-96-6	2 mg/m3	2 mg/m3	10-20	NO

The exposure limits established for ingredients of this product apply to nuisance dusts from inert fillers. These fillers are blended into a liquid and pose no hazard as supplied.

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.

NE - Not Established

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	NA
VAPOR DENSITY	Heavier than Air
VAPOR PRESSURE	NA
VOC	0.00
SOLUBILITY IN WATER	Negligible
APPEARANCE AND ODOR	Clear Liquid, mild odor
SPECIFIC GRAVITY (H20=1)	1.14
EVAPORATION RATE	Slower than N-Butyl Acetate

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200 degrees F

METHOD USED: SFCC

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

EXTINGUISHING MEDIA: Foam, dry chemical CO2

OSHA FLAMMABILITY CLASSIFICATION: Combustible liquid, Class III A

SPECIAL FIRE FIGHTING PROCEDURES: Decomposition and/or products of combustion may be toxic. Use self contained breathing equipment and full protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May produce hazardous fumes or hazardous decomposition products.

SECTION 5: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO **AVOID**: NA

INCOMPATIBILITY (MATERIALS TO **AVOID**): **Strong Amines and Acids**

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide, Carbon Dioxide, Aldehydes and Acids

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6: HEALTH HAZARD DATA

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INHALATION: Heating can generate vapors that could cause headache, nausea, dizziness, and respiratory irritation if inhaled.

EYE: direct contact of product with eyes can cause irritation.

SKIN CONTACT: Repeated exposure to the skin can cause irritation and could result in dermatitis. May cause sensitization or other allergic reaction.

INGESTION: Slightly toxic

HEALTH HAZARDS (ACUTE AND CHRONIC):

CARCINOGENICITY:

NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSRA REGULATED: NO

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

EMERGENCY AND FIRST AID PROCEDURES:

- EYES:** Flush at once with potable water for at least 15 minutes. Get immediate medical attention
- SKIN:** Wash with soap and warm water. Remove contaminated clothes. Wash before reuse. Destroy contaminated shoes.
- INGESTION:** Not likely to occur in normal handling. Give large quantities of water and get medical attention. Never give fluids or induce vomiting if victim is unconscious or having convulsions.
- INHALATION:** Remove to fresh air. Administer oxygen if breathing is difficult, get immediate medical attention.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid contact.

Soak up with clay or other absorbent material. Place in covered container for disposal.

WASTE DISPOSAL METHOD: **Dispose** in an approved incinerator or an approved landfill.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, well ventilated area away from excess heat or open flame.

OTHER PRECAUTIONS: **Avoid breathing vapors** .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. Practice good personal hygiene and exercise caution to avoid skin and eye contact.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: Avoid breathing vapor mist or spray. NIOSH/MSHA approved respirator when vapors are generated above the permissible limit.

VENTILATION: Good Mechanical ventilation and local exhaust.

PROTECTIVE GLOVES: Plastic or rubber gloves.

EYE PROTECTION: Safety glazes with side shields or chemical goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Clean body covering clothing. A safety show and eye wash facility should be available.

WORK/HYGIENIC PRACTICES: Practice good industrial hygiene. Wash with soap and water before eating, smoking, or using the restroom.

SECTION 9: REGULATORY INFORMATION

SARA TITLE III SECTION 313: Unless shown below, this product does not contain 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

HAZARD CLASS: non-hazardous

UN/NA ID NUMBER:

SECTION 10: 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.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Epoxy.com Product #11 PART "B" Hardner
PRODUCT CODE: 11-"B"

HMIS CODES:H F R P
3 1 0 C

SECTION 1: MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Epoxy Systems, Inc.
ADDRESS: 20774 West Pennsylvania Ave Dunnellon, FL 34431
EMERGENCY NUMBER: 800-633-8253 DATE PRINTED: Dec. 08
INFORMATION NUMBER: 3520489-1666 PREPARER: N. Lambert

SECTION 2: HAZARDOUS INGREDIENTS

ACGIH

HAZARDOUS COMPONENTS

	CAS NUMBER	OSHA PEL	TLV	WT %	CARCINOGEN
Polyoxypropylenediamine	9046-10-0	NE	NE	20-40	NO
Aliphatic Amines	140-31-8	NE	NE	10-30	NO
Alkyl Phenol	84852-15-3	NE	NE	30-50	NO
Talc	14807-96-6	2 mg / m3	2mg/m3	10-20	NO

The exposure limits established for ingredients of this product apply to nuisance dusts from inert fillers. These fillers are blended into a liquid and pose no hazard as supplied.

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.

NE - Not Established

SECTION 3 PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	>390° F
VAPOR DENSITY	NE
Vapor Pressure	Approx. 1 mm HG @200 degrees F.
VOC	0.00
SOLUBILITY IN WATER	Partial
APPEARANCE AND ODOR	Low viscosity with sharp ammonia odor
SPECIFIC GRAVITY (H20=1)	0.99
EVAPORATION RATE	NE

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200 degrees F

METHOD USED: Closed Cup

FLAMMABLE LIMITS IN AIR BY VOLUME LOWER: Not determined

UPPER: **Not determined**

EXTINGUISHING MEDIA: Foam, dry chemical, C02

OSHA FLAMMABILITY CLASSIFICATION COMBUSTABLE liquid, Class III B

SPECIAL FIRE FIGHTING PROCEDURES: Wear positive pressure self contained breathing equipment. Use water to cool containers exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes present when this material is involved in fire. Containers may rupture.

SECTION 5: REACTIVITY DATA

STABILITY: Normally Stable

CONDITIONS TO AVOID: Contact with acids such as Hydrochloric or Sulfuric

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong oxidizing agents and epoxy resins under uncontrolled conditions.

DECOMPOSITION OR BY-PRODUCTS: When exposed to fire Carbon monoxide, carbon dioxide, nitrogen oxides will be generated

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6: HEALTH HAZARD DATA

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INHALATION: Vapors can cause severe irritation of respiratory tract..

SKIN: **Corrosive – Can cause burns to skin**

EYE: Vapors – Can cause irritation and burns to eyes

INGESTION: Can cause severe damage to mouth and throat

HEALTH HAZARDS (ACUTE AND CHRONIC):

CARCINOGENICITY:

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

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin contact may aggravate existing dermatitis (skin condition). Over exposure to vapor or mist may aggravate existing respiratory conditions such as asthma, bronchitis, or fibrotic respiratory disease.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush immediately for 15 minutes with large amounts of potable water. DO NOT attempt to neutralize with chemical agents. Get immediate medical attention.

SKIN: Flush immediately for 15 minutes with potable water. DO NOT attempt to neutralize with chemical agents. Remove contaminated clothing. Launder before reuse. Discard contaminated shoes. Get medical attention if swelling and/or irritation occurs.

INGESTION: Give water to dilute stomach contents. **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

INHALATION: Remove to fresh air. Get medical attention if effects persist.

OTHER INSTRUCTIONS: 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.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid contact. Allow only personnel wearing goggles, neoprene or rubber gloves and protective clothing to clean up spill. In confined areas a full face respirator is recommended. Absorb spill with clay, diatomaceous earth or other absorbent material. Place in disposal containers.

WASTE DISPOSAL METHOD: Dispose of in approved incinerator or an approved landfill.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE (CON'T) PRECAUTIONS

TO BE TAKEN IN HANDLING AND STORING: Avoid contact. Keep containers tightly closed when not in use. Do not remove labels from empty containers. If mixtures of Part B and Part A are allowed to remain in the mixing container past the pot life deadline, heat and a strong reaction will result.

OTHER PRECAUTIONS: none

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: If vapor or mist is generated and the occupational exposure limit is exceeded, use appropriate NIOSH/MSHA approved self contained breathing equipment or a full face respirator.

VENTILATION: Mechanical ventilation required if TLV is expected to be exceeded in confined areas.

PROTECTIVE GLOVES: Neoprene or natural rubber gloves

EYE PROTECTION: Chemical goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Body covering clothes

WORK/HYGIENIC PRACTICES: Practice good industrial hygiene. Wash with soap and water before eating, smoking, or using the restroom.

SECTION 9: REGULATORY INFORMATION

SARA TITLE III SECTION 313: Unless shown below, this product does not contain 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
	None	

PROP 65 (CARCINOGEN): Unless shown below, this product does not contain chemicals known to the states 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	

SECTION 9: REGULATORY INFORMATION (CON'T)

D.O.T. PROPER SHIPPING NAME: Caustic Alkali Liquid, N.O.S, (Alkyl Phenol); 8; UN1719; PG III

PROPER SHIPPING NAME: Caustic Alkali Liquid, N.O.S. (Alkyl Phenol)

HAZARD CLASS: Class 8, Corrosive

UN/NA ID NUMBER: UN 1719

PACKING GROUP III

SECTION 10: DISCLAIMER

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