

MATERIAL SAFETY DATA SHEET
Epoxy.com Product #633 EPOXY NOVOLAC COATING PART A

PRODUCT NAME: Epoxy.com Product #633 EPOXY NOVOLAC COATING PART A **HMIS CODES:** H F R P
PRODUCT CODE: 2 1 0 C

SECTION 1: MANUFACTURER IDENTIFICATION

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

EMERGENCY NUMBER: 1-800-633-8253 **DATE PRINTED:** 01/2012
INFORMATION NUMBER: 1-352-489-1666 **NAME OF PREPARER:** K. Fontaine

SECTION 2: HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WT %	VAPOR PRESS.
Epoxy Novolac Resin	Mixture	NE	NE	95-98	NE
Benzyl Alcohol	101-51-6	NE	NE	2-4	<1 mm Hg @ 68 deg. F

Depending on color, may contain:

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WT %	CARCINOGEN
Titanium Dioxide	13463-67-7	NE	10 mg/m ³		NO
Carbon Black	1333-86-4	3.5 mg/m ³	3.5 mg/m ³		NO
Pigment Red	1309-37-1	6.0 mg/m ³	10 mg/m ³		NO
Manganite	1317-34-6	--	5 mg/m ³		NO
Pigment Yellow 75	52320-66-8	NE	NE		NO
Pigment Yellow 42	51274-00-1	NE	NE		NO
Ultramarine Blue	1319-97-1	NE	NE		NO
Pigment Yellow 53	8007-18-9	NE	NE		NO
Pigment Green 17	1308-38-9	0.5 mg/m ³	0.5 mg/m ³		NO

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

**Not present as dry particulate

***Less than 2 ppm present as impurity

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE : Not applicable
VAPOR DENSITY : NE
VAPOR PRESSURE : NE
VOC : -0-
SOLUBILITY IN WATER : NIL
APPEARANCE : Moderately viscous liquid, color varies.
ODOR : Mild, no distinguishing characteristics
SPECIFIC GRAVITY (H2O=1) : Approx. 1.45
EVAPORATION RATE : Slower than ether

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >250° F

METHOD USED: PMCC

FLAMMABLE LIMITS IN AIR BY VOLUME - **LOWER:** NA
UPPER: NA

EXTINGUISHING MEDIA: Use foam, dry chemicals, CO 2 . Decomposition and/or products of combustion may be toxic. Use self-contained breathing equipment.

OSHA FLAMMABILITY CLASSIFICATION: Class III B

SPECIAL FIRE FIGHTING PROCEDURES: Wear a NIOSH/MSHA approved self contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool. Water may be ineffective as an extinguishing agent.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressure may build up in containers and create an explosion hazard.

SECTION 5: REACTIVITY DATA

STABILITY: Normally stable

CONDITIONS TO AVOID: Avoid contact with strong oxidizing agents, strong acids, strong bases.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents, strong acids and bases

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, Carbon dioxide, nitrogen oxides and organic compounds.

HAZARDOUS POLYMERIZATION: Mixing large quantities (1 gallon) with amines or epoxy hardeners can cause heat build up and hazardous reaction

SECTION 6: HEALTH HAZARD DATA

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INHALATION: Exposure to vapors at elevated temperatures may cause irritation to respiratory tract and difficult breathing.

SKIN: A single exposure is unlikely to result in harm. Repeated exposure can cause sensitization.

EYE: May cause irritation.

INGESTION: Oral toxicity is low. No hazards expected from normal industrial exposure.

HEALTH HAZARDS (ACUTE & CHRONIC):

CARCINOGENICITY: **NTP CARCINOGEN:** **IARC MONOGRAPHS:** **OSHA REGULATED:**

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush at once with potable water for at least 15 minutes

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.

INHALATION: Remove to fresh air. Administer oxygen if breathing is difficult.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike spill area. Absorb spill with inert absorbant material. Place in sealed metal containers for proper disposal.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use with good ventilation. Store in cool dry area. Keep containers tightly closed when not in use. If mixture A & 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 microcrystalline silica dust. Wear a dust mask during such operations.

OTHER PRECAUTIONS: Minimize contact. Avoid breathing vapors. Practice good industrial hygiene and safe working practices.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: Avoid breathing vapors mist or spray.

VENTILATION: Use with good ventilation

PROTECTIVE GLOVES: Neoprene or rubber

EYE PROTECTION: Chemical splash goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Provide eye wash fountain and safety shower.

WORK/HYGIENIC PRACTICES: Wash hands thoroughly after use, before eating or smoking.

SECTION 9: REGULATORY INFORMATION

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
Epoxy.com Product #633 EPOXY NOVOLAC COATING PART B

PRODUCT NAME: Epoxy.com Product #633 EPOXY NOVOLAC COATING PART B **HMIS CODES:** H 3 F 1 R 1 P 1
PRODUCT CODE: C

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SECTION 2: HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WT %	VAPOR PRESS.
Cycloaliphatic Polyamines	Mixture	NE	NE	100	NE

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 provided in 29 CFR 1910.1200.

NE - Not Established

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE : NE
VAPOR DENSITY : NE
VAPOR PRESSURE : NE
VOC : -0-
SOLUBILITY IN WATER : Slight
APPEARANCE : Low Viscosity, clear liquid.
ODOR : Mild, Amine
SPECIFIC GRAVITY (H20=1) : 1.0
EVAPORATION RATE : NE

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >250° F

METHOD USED: PMCC

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: NE
UPPER: NE

EXTINGUISHING MEDIA: Use foam, dry chemical, CO2.

OSHA FLAMMABILITY CLASSIFICATION: OSHA 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 in fire. Containers may rupture. Products of combustion/decomposition include oxides of carbon and nitrogen plus amines and unidentified organic compounds. When Exposed to fire, oxides of carbon and nitrogen will be generated.

SECTION 5: REACTIVITY DATA

STABILITY: Normally stable

CONDITIONS TO AVOID: Avoid contact with acids such as hydrochloric or sulfuric.

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

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Products of combustion/decomposition include oxides of carbon and nitrogen plus amines and unidentified organic compounds.

HAZARDOUS POLYMERIZATION: If mixtures of part B and A are allowed to remain in the mixing container past the pot life deadline, heat and a strong reaction will result.

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.

EYE: Vapors can cause eye irritation.

SKIN ABSORPTION: Corrosive--can cause burns

INGESTION: Can cause severe damage to mouth and throat

HEALTH HAZARDS (ACUTE AND CHRONIC):

CARCINOGENICITY: **NTP CARCINOGEN:** **IARC MONOGRAPHS:** **OSHA REGULATED:**

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush immediately for 15 minutes with large amounts of potable water. Get immediate medical attention.

SKIN: Flush immediately for 15 minutes with potable water. Remove contaminated clothing. Launder before reuse. Discard contaminated shoes. Get medical attention if swelling and/or irritation occurs.

INGESTION: **DO NOT** induce vomiting. Give milk or water to dilute stomach contents. Get medical attention immediately.

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

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Allow only personell wearing goggles, neoprene, or rubber gloves and protective clothing to clean up spill. In confined areas, a full face respirator is recommended.

WASTE DISPOSAL METHOD: Absorb spill with clay, diamaceous earth or other absorbant material. Place disposal in containers. Dispose of in approved incinerator or an approved land fill.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Mechanical ventilation required if TLV is expected to be exceeded in confined areas. Avoid contact. Keep containers tightly closed when not in use. Do not remove labels from empty containers.

OTHER PRECAUTIONS: If mixtures of B and A are allowed to remain in the mixing container past the pot life deadline, heat and a strong reaction will result.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: Wear a full face respirator if in a confined area

VENTILATION: Use in a well ventilated area

PROTECTIVE GLOVES: Wear neoprene, natural rubber gloves.

EYE PROTECTION: Wear goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear body covering clothes

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

SECTION 9: REGULATORY INFORMATION

D. O. T. PROPER SHIPPING NAME: Synthetic Resin Liquid, non-hazardous

PROPER SHIPPING NAME:

HAZARD CLASS:

UN/NA ID NUMBER:

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