



**Copper (Acid) Epoxy Tank Liner
EXTL-995 (Part A&B)**

8/3/2016

<<<< SECTION 1 - PRODUCT & MANUFACTURER'S IDENTIFICATION >>>>

PRODUCT NAME : Copper (Acid) Epoxy Tank Liner **HMIS CODES :** H F R P
PRODUCT CODE : EXTL-995 (Part A&B) **3 2 1 E**

COMPANY NAME : EXCALIBUR PAINT & COATINGS LTD.
ADDRESS : 1116 E. Scott Ave.
ADDRESS : Wichita Falls, TX 76301
TELEPHONE : (940)767-9912
WEBSITE : www.excaliburpaint.com

TRANSPORTATION EMERGENCY CONTACT INFO : USA & CANADA : (800)633-8253
Professional Emergency Resource Services (PERS) **INTERNATIONAL:** (801)629-0667

<<<< SECTION 2 - HAZARD(s) IDENTIFICATION >>>>

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	% by WEIGHT
Modified Amine OSHA PEL 0.1 MG/M3 (SKIN) ACGIH TLV/TWA 0.1 MG/M3 (SKIN) May be absorbed through the skin.		<0.01 70 F	12.28
* SILICA TEL: 0.05 MG/M3 RESPIRABLE CRISTOBALITE. TWA	68855-54	NA	6.79
* Ethylbenzene TLV: 100 PPM, 435 MG/M3	100-41-4	5.1 68° F	1.12

<<<< SECTION 3 - HAZARDS INFORMATION >>>>

a. INHALATION HEALTH RISKS and SYMPTOMS OF EXPOSURE:

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: sweating, fever, stomach or intestinal upset(nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), pain in the abdomen, frequent or painful urination, confusion, blood abnormalities (breakage of red blood cells), kidney damage, lung damage, respiratory failure.

b. SKIN and EYE CONTACT HEALTH RISKS and SYMPTOMS OF EXPOSURE:

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EYE CONTACT: Severe irritation, redness, tearing and blurred vision.

SKIN CONTACT: Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.

c. SKIN ABSORPTION HEALTH RISKS and SYMPTOMS OF EXPOSURE:

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: Stomach or intestinal upset (nausea, vomiting, diarrhea).

d. INGESTION HEALTH RISKS and SYMPTOMS OF EXPOSURE:

Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

e. HEALTH HAZARDS (ACUTE and CHRONIC)

ACUTE: Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product. Chronic exposure may cause damage to the Central Nervous System, Respiratory System, Lungs, Eyes, Skin, Gastrointestinal Tract, Liver, Spleen, and Kidneys.

f. CARCINOGENICITY:

Not Available

NTP CARCINOGEN: Not Available

IARC MONOGRAPHS: Not Available

OSHA REGULATED: Yes

g. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ACUTE: Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to this product.

<<<< SECTION 4 - FIRST AID MEASURES >>>>**EMERGENCY and FIRST AID PROCEDURES:**

EYE CONTACT: Flush with clean, lukewarm water for at least 15 minutes. Occasionally lifting the eyelid. Remove contact lenses, if worn. Obtain medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Wash contaminated clothing thoroughly before re-use. If irritation persists or if contact has been prolonged, obtain medical attention.

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INHALATION: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove to fresh air. Apply artificial respiration if not breathing. Oxygen may be given by qualified personnel if necessary. Call a physician immediately.

INGESTION: Keep person warm, quiet and get immediate medical attention. DO NOT INDUCE VOMITING!!! Aspiration of material into the lungs from vomiting can cause chemical pneumonitis which can be fatal.

NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Treat symptomatically. No specific antidote available.

<<<< SECTION 5 - FIRE FIGHTING MEASURES >>>>**THEORETICAL FLASH POINT: 80° F****METHOD USED: TCC****ACTUAL FLASH POINT: 80° F****FLAMMABLE LIMITS IN AIR BY VOLUME: -----> LOWER: .01
UPPER: .066****a. EXTINGUISHING MEDIA:**

Foam, Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Fog, other.

b. SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

c. UNUSUAL FIRE and EXPLOSION HAZARDS:

Product will burn under fire conditions. Vapors may travel a considerable distance to a source of ignition and flash back along vapor trail. Under fire conditions, toxic, corrosive fumes are emitted. Reacts with water releasing large amounts of carbon dioxide which may cause pressure build-up in confined spaces.

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<<<< SECTION 6 - ACCIDENTAL RELEASE MEASURES >>>>**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protective equipment. Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Remove containers to a safe area and seal.

<<<< SECTION 7 - HANDLING and STORAGE >>>>**PRECAUTIONS TO BE TAKEN IN HANDLING and STORING:**

"Empty" containers retain residue and can be dangerous. Do Not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition - They may explode and cause injury or death.

OTHER PRECAUTIONS:

All equipment should be grounded and bonded to reduce static electricity hazard. Use non-sparking tools.

<<<< SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION >>>>**a. RESPIRATORY PROTECTION:**

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Below the TLV limits, use a NIOSH-approved vapor respirator or an air line respirator with escape bottle provisions.

b. VENTILATION:

Local exhaust must be sufficient to keep airborne vapor concentrations below the TLV limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

c. PROTECTIVE GLOVES:

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Chemical resistant gloves.

d. EYE PROTECTION:

Safety glasses with side shields or monogoggles, as appropriate.

e. OTHER PROTECTIVE CLOTHING or EQUIPMENT:

Eye bath and safety shower. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

f. WORK / HYGIENIC PRACTICES:

Worker should wash and change clothing daily to prevent the accumulation of hazardous materials on his clothing or person.

<<<< SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES >>>>**BOILING RANGE: 277° F****SPECIFIC GRAVITY (H₂O=1): 1.327****VAPOR DENSITY: Not Available****EVAPORATION RATE: Not Available****COATING VOC: 0.408 lb/gl****MATERIAL VOC: 0.408 lb/gl****SOLUBILITY IN WATER: NOT COMPATIBLE!****APPEARANCE: Liquid****<<<< SECTION 10 - STABILITY and REACTIVITY >>>>****a. STABILITY:**

Stable.

b. CONDITIONS TO AVOID:

Extreme heat, open flame, static electricity, moisture, ignition sources.

c. INCOMPATIBILITY (Materials to Avoid):

Water, amines, strong bases, strong oxidizing agents, acids, combustible material, alcohols, metal compounds and surface active materials.

d. HAZARDOUS DECOMPOSITION or BYPRODUCTS:

Thermal decomposition may yield carbon dioxide and/or carbon monoxide.



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Aldehydes (including acrolein) may be produced from atmospheric oxidation and/or thermal degradation under severe pressure.

e. HAZARDOUS POLYMERIZATION:

Will not occur.

<<<< SECTION 11 - TOXICOLOGICAL INFORMATION >>>>

ACUTE TOXICITY

Material	Cas #	%/Weight	ORAL LD50 (g/kg)	DERMAL LD50 (g/kg)	INHALATION LC50 (mg/l)
Modified Amine		12.28			
* SILICA	68855-54	6.79			
* Ethylbenzene	100-41-4	1.12			

<<<< SECTION 12 - ECOLOGICAL INFORMATION >>>>

A. PONTENTIAL ENVIRONMENTAL EFFECTS

Ecotoxicity: Not Available

B. ENVIRONMENTAL FATE

Mobility: Not Available
Biodegradation: Not Available
Bioaccumulation: Not Available

<<<< SECTION 13 - DISPOSAL CONSIDERATIONS >>>>

WASTE DISPOSAL METHOD:

Waste material must be disposed of in accordance with federal, state and local environmental regulatory controls. For assistance with your waste management needs-including disposal, recycling and waste stream reduction, contact an Environmental Service Company.



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<<<< SECTION 14 - TRANSPORTATION INFORMATION >>>>

US DEPT. OF TRANSPORTATION (DOT)

Proper Shipping Name: Paints & Coatings

Class: 55

NMFC Item Number: 149980-02

Packing Group: III

Special Marks & Exceptions: Flammable

UN Number: UN1263, 3

<<<< SECTION 15 - REGULATORY INFORMATION >>>>

California Prop. 65: The following ingredients below (if any) are known to the state of California to be carcinogens and/or reproductive toxins:

Chemical Name:

Cas #:

Ethylbenzene

100-41-4

<<<< SECTION 16 - OTHER INFORMATION >>>>

HAZARDOUS MATERIAL INFORMATION SYSTEM:

Rating System:

- | | |
|--------------|---------------------|
| 0 = Minimal | 3 = Serious |
| 1 = Slight | 4 = Severe |
| 2 = Moderate | * = Chronic Effects |

THIS PRODUCT IS RATED:

HEALTH: 3

CHRONIC:

FLAMMABILITY: 2

PHYSICAL HAZARD: 1

PERSONAL PROTECTION: E



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DATE PRINTED: 8/3/2016

REVISION DATE: 10/15/14

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(End of SDS)