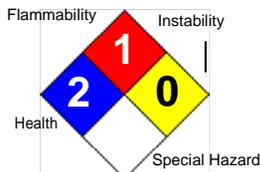


SAFETY DATA SHEET
Epoxy.com # 100 M1 Treatment
Hardener - Part II



HEALTH		2
FLAMMABILITY		1
PHYSICAL		0
PPE		X



Printed: 06/02/2015
Revision: 06/02/2015

1. Product and Company Identification

Product Code: Epoxy.com # 100 M1
Product Name: 100M1 Moisture Vapor Treatment Hardener - Part II
Trade Name: 100M1 Moisture Vapor Treatment Hardener - Part II
Manufacturer Information
Company Name: Epoxy System, Inc.
20774 W. Pennsylvania Ave.
Dunnellon, FL 34431
Phone Number: 352-489-1666
Emergency Contact: PERS (USA) (800)633-8253
Alternate Emergency Contact: PERS (International) (801) 629-0667

2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
Skin Corrosion/Irritation, Category 2	Exclamation point	Warning	Causes skin irritation
Acute Toxicity: Inhalation, Category 5	none	Warning	May be harmful if inhaled
Serious Eye Damage/Eye Irritation, Category 2A	Exclamation point	Warning	Causes serious eye irritation
Skin Sensitization, Category 1A	Exclamation point	Warning	May cause an allergic skin reaction

GHS Hazard Phrases

H315 - Causes skin irritation. H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H333 - May be harmful if inhaled.
H303 - May be harmful if swallowed.

GHS Precaution Phrases

P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P362+364 - Take off contaminated clothing and wash it before reuse.

GHS Response Phrases

P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P362 - Take off contaminated clothing.
P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P311 - Call a POISON CENTER or doctor/physician.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

GHS Storage and Disposal Phrases

P501 - Dispose of contents/container to local, state, and federal authority requirements.

SAFETY DATA SHEET
Epoxy.com #100M1 Moisture Vapor
Treatment Hardener – Part II

Page: 2
Printed: 05/14/2015
Revision: 11/06/2014

Potential Health Effects (Acute and Chronic)

May cause eye irritation. May cause skin irritation. May cause respiratory irritation.

Inhalation

May cause respiratory irritation.

Skin Contact

May cause skin irritation or burns. May cause sensitization by skin contact.

Eye Contact

Moderately irritating to the eyes.

Ingestion

May be harmful if swallowed.

Medical Conditions Generally Aggravated By Exposure

Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Barite (Ba(SO4))	13462-86-7	40 - 50 %
2. Talcum	14807-96-6	10 - 20 %
3. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	5.0 - 15 %
4. Titanium dioxide	13463-67-7	5.0 - 10 %
5. Polyamine Polymer	NA	2.0 - 5.0 %
6. 1,3-Benzenedimethanamine	1477-55-0	1.0 - 2.0 %

4. First Aid Measures

Emergency and First Aid Procedures

In Case of Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.

In Case of Skin Contact

In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

In Case of Eye Contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

In Case of Ingestion

If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side. Get medical advice/attention.

Signs and Symptoms Of Exposure

May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

5. Fire Fighting Measures

Flash Pt: > 200.00 F Method Used: Not Applicable

Explosive Limits: LEL: NE UEL: NE

Autoignition Pt: No data available.

Fire Fighting Instructions

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to cool unopened containers.

SAFETY DATA SHEET
Epoxy.com #100M1 Moisture Vapor
Treatment Hardener – Part II

Page: 3
Printed: 05/14/2015
Revision: 11/06/2014

Flammable Properties and Hazards

Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat. Some of these materials may burn, but none ignite readily.

Hazardous Combustion Products

In a fire, product may produce the following: Carbon monoxide, Carbon dioxide.

Suitable Extinguishing Media

Use water spray, foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.

Evacuate area. Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

Protective Precautions, Protective Equipment and Emergency Procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and Storage

Hazard Label Information:

Avoid contact with skin and eyes. Do not get on skin and clothing. Keep from freezing. Store in a closed container.

Precautions To Be Taken in Handling

Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing.

Precautions To Be Taken in Storing

Keep from freezing. Keep container closed when not in use.

Other Precautions

Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Barite (Ba(SO4))	13462-86-7	No data.	No data.	No data.
2. Talcum	14807-96-6	PEL: 706 ppm/20 mppcf	TLV: 2 mg/m3 (non-asbestos)	No data.
3. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	No data.	No data.	No data.
4. Titanium dioxide	13463-67-7	PEL: 15 (dust) mg/m3	TLV: 10 mg/m3	No data.
5. Polyamine Polymer	NA	No data.	No data.	No data.
6. 1,3-Benzenedimethanamine	1477-55-0	No data.	CEIL: mg/m3	No data.

Protective Equipment Summary - Hazard Label Information:

Neoprene gloves Safety glasses, or goggles. Impervious clothing.

Respiratory Equipment (Specify Type)

Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

SAFETY DATA SHEET
Epoxy.com #100M1 Moisture Vapor
Treatment Hardener – Part II

Page: 4
Printed: 05/14/2015
Revision: 11/06/2014

Eye Protection

Safety glasses, or goggles.

Protective Gloves

Nitrile rubber and Neoprene are recommended.

Other Protective Clothing

Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

Environmental Exposure Controls

Avoid release to the environment. Avoid runoff into storm sewers and ditches which lead to waterways.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Melting Point:	No data.
Boiling Point:	NE
Autoignition Pt:	No data.
Flash Pt:	> 200.00 F Method Used: Not Applicable
Explosive Limits:	LEL: NE UEL: NE
Specific Gravity (Water = 1):	~ 1.834 - 1.882
Density:	~ 15.3 - 15.7
Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	NE
Evaporation Rate:	NE
Solubility in Water:	Soluble
Solubility Notes	
	Water soluble.
Percent Volatile:	~ 50 % by volume.
VOC / Volume:	NE
HAP / Volume:	NE
Saturated Vapor Concentration:	NE

Appearance and Odor

Milky. amine-like.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

None known.

Incompatibility - Materials To Avoid

Strong oxidizing agents, acids, Nitrous acid and other nitrosating agents.

Hazardous Decomposition Or Byproducts

Carbon monoxide, Chlorine, Nitric Acids. Carbon dioxide, Nitrogen oxides, Ammonia.

Possibility of Hazardous Polymerization: Will occur [] Will not occur [X]

SAFETY DATA SHEET
Epoxy.com #100M1 Moisture Vapor
Treatment Hardener – Part II

Page: 5
Printed: 05/14/2015
Revision: 11/06/2014

Conditions To Avoid - Hazardous Reactions

Will not undergo hazardous polymerization in normal storage conditions.

11. Toxicological Information

Toxicological Information

May cause sensitization by skin contact.

Chronic Toxicological Effects

Skin sensitization.

Irritation or Corrosion

May cause skin, eye irritation/burns. May cause respiratory irritation.

Symptoms related to Toxicological Characteristics

May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Barite (Ba(SO4))	13462-86-7	n.a.	n.a.	n.a.	n.a.
2. Talcum	14807-96-6	n.a.	n.a.	n.a.	n.a.
3. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	n.a.	n.a.	n.a.	n.a.
4. Titanium dioxide	13463-67-7	n.a.	2B	A4	n.a.
5. Polyamine Polymer	NA	n.a.	n.a.	n.a.	n.a.
6. 1,3-Benzenedimethanamine	1477-55-0	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information

No data available.

Results of PBT and vPvB assessment

No data available.

Persistence and Degradability

Not readily biodegradable.

Bioaccumulative Potential

not reported, unknown.

Mobility in Soil

not reported, unknown.

13. Disposal Considerations

Waste Disposal Method

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Waterbase Solution, Not Regulated.

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name Waterbase Solution, Not Regulated.

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name Waterbase Solution, Not Regulated.

15. Regulatory Information

Regulatory Information

SARA 302 Extremely Hazardous Substances: None.

SARA Section 311/312: Acute Health Hazard.

SAFETY DATA SHEET
Epoxy.com #100M1 Moisture Vapor
Treatment Hardener – Part II

Page: 6
Printed: 05/14/2015
Revision: 11/06/2014

SARA 313 Toxic Chemicals: None

CERCLA Reportable Quantity: None.

16. Other Information

CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

Company Policy or Disclaimer

The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof; however the Epoxy Systems, Inc. makes no expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.

Revision Date: 06/02/15