



MASTER  
TERRAZZO  
TECHNOLOGIES

## Safety Data Sheet Morricite MVP 300 Hardener

Version 1.0  
Date: 04/17/2015

### 1. Product and Company Information

Product Name : Morricite MVP 300 Hardener - Part B  
Material Number : MVP 300-B  
Product Use Description : Curing Agent  
Manufacturer/ Importer/Distributor : Master Terrazzo Technologies  
8000 Bristol Pike-Levittown, PA  
P.O. Box 226  
Bristol, PA 19007  
Telephone : 1-215-949-1474  
Fax : 1-215-949-9422  
Emergency telephone Number : Chemtel-800-255-3924  
Contract #MIS0004752

### 2. Hazard Identification

#### GHS classification

Skin corrosion - Category 1B  
Serious Eye Damage - Category 1

#### GHS label elements

##### Hazard pictograms/symbols



Signal Word: **Danger**

#### Hazard Statements:

H314: Causes severe skin burns and eye damage.

#### Precautionary Statements:

Prevention : P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response : P301+P330+P331 :IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 :IF ON SKIN (or hair): Remove/Take off immediately all

contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 :IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 :Immediately call a POISON CENTRE or doctor/physician.  
 P333+P313 :If skin irritation or rash occurs: Get medical advice/attention.  
 P363 :Wash contaminated clothing before reuse.

Disposal : P501:Disposal of contents/container to be specified in accordance with regulations.

Hazards not otherwise classified

Corrosive  
 Severe eye irritant.  
 Severe respiratory irritant.  
 Severe skin irritant.

### 3. Composition/Information on Ingredients

| Components                     | CAS Number    | Concentration (Weight) |
|--------------------------------|---------------|------------------------|
| Water                          | 7732-18-5     | 10 - 20%               |
| Modified poly(aliphatic amine) | Not Available | 5% - 10 %              |

CHEMICAL FAMILY: Polyamine Polymer Solution. The remaining components are trade secret.

### 4. First Aid Measures

General advice : Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Eye contact : Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

Skin contact : Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Flush immediately with copious amounts of water. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

Ingestion : If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

Inhalation : If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

Most important symptoms/effects - acute and delayed : Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Eye disease. Skin disorders and Allergies. Asthma.

### 5. Fire-Fighting Measures

Suitable extinguishing media : Alcohol-resistant foam.  
Carbon dioxide (CO<sub>2</sub>).  
Dry chemical.  
Dry sand.  
Limestone powder.

Specific hazards : Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

Special protective equipment for fire-fighters : Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

Further information : Do not allow run-off from fire fighting to enter drains or water courses., Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures : Wear suitable protective clothing, gloves and eye/face protection. Use self contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

Environmental precautions : Construct a dike to prevent spreading.

Methods for cleaning up : Contact Master Terrazzo Technologies' Emergency Response Center for advice. Approach suspected leak areas with caution. Place in appropriate chemical waste container.

Additional advice : Open enclosed spaces to outside atmosphere. If possible, stop flow of product.

### 7. Handling and Storage

#### Handling

Use only in well-ventilated areas. Avoid breathing vapors and/or aerosols. Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.

#### Storage

Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure Controls/Personal Protection

### Engineering measures

Provide readily accessible eye wash stations and safety showers.

Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

### Personal protective equipment

Respiratory protection : Wear appropriate respirator when ventilation is inadequate.

Hand protection : Neoprene gloves.  
Polyvinyl Alcohol Gloves (PVA).  
Impervious gloves.  
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection : Full face shield with goggles underneath.  
Chemical resistant goggles must be worn.

Skin and body protection : Impervious clothing.  
Full rubber suit (rain gear).  
Rubber or plastic boots.  
Long sleeve shirts and trousers without cuffs.  
Slicker Suit.

Special instructions for protection and hygiene : Discard contaminated leather articles. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash hands at the end of each workshift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

## 9. Physical and Chemical Properties

Appearance : Liquid. Viscous. Amber.

Odor : Ammoniacal.

Odor threshold : No data available.

pH : No data available.

Melting point/range : < 50 °F (< 10 °C)

Boiling point/range : > 212 °F (> 100 °C)

Flash point : > 200 °F (> 93.34 °C)

Evaporation rate : No data available.

|  |                               |
|--|-------------------------------|
| Flammability (solid, gas)                | : Not applicable.             |
| Upper/lower explosion/flammability limit | : Not applicable.             |
| Vapor pressure                           | : 15.04 mmHg at 70 °F (21 °C) |
| Water solubility                         | : > 10 g/l                    |
| Relative vapor density                   | : Not applicable.             |
| Relative density                         | : 1.071                       |
| Partition coefficient (noctanol/water)   | : No data available.          |
| Auto-ignition temperature                | : No data available.          |
| Decomposition temperature                | : No data available.          |
| Viscosity                                | : No data available.          |
| Molecular Weight                         | : No data available.          |

## 10. Stability and Reactivity

|   |   |
|---|---|
| Chemical Stability                            | : Stable under normal conditions.   |
| Conditions to avoid                           | : No data available.  |
| Materials to avoid                            | : Organic acids (i.e. acetic acid, citric acid etc.).<br>Mineral acids.<br>Sodium hypochlorite.<br>Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.<br>Oxidizing agents. |
| Hazardous decomposition products              | : Carbon monoxide.<br>Carbon dioxide (CO <sub>2</sub> ).<br>Nitrogen oxides (NO <sub>x</sub> ).<br>Nitrogen oxide can react with water vapors to form corrosive nitric acid.<br>Ammonia   |
| Possibility of hazardous Reactions/Reactivity | : No data available.  |

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Likely routes of exposure

|                    |   |
|--------------------|---|
| Effects on Eye     | : Causes eye burns. May cause blindness. Severe eye irritation.   |
| Effects on Skin    | : Causes skin burns.  |
| Inhalation Effects | : Can cause severe eye, skin and respiratory tract burns. Risk of serious damage to the lungs (by inhalation). May cause nose, throat, and lung irritation. Inhalation of aerosol may cause irritation to the upper respiratory tract. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system. |
| Ingestion Effects  | : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.  |
| Symptoms           | : Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Eye disease., Skin disorders and Allergies., Asthma.   |

**Acute toxicity**

|                                   |   |
|-----------------------------------|---|
| Acute Oral Toxicity               | : No data is available on the product itself. |
| Inhalation                        | : No data is available on the product itself. |
| Acute Dermal Toxicity             | : No data is available on the product itself. |
| Skin corrosion/irritation         | : Severe skin irritation.                     |
| Serious eye damage/eye Irritation | : Severe eye irritation.                      |
| Sensitization                     | : No data available.                          |

**Chronic toxicity or effects from long term exposures**

|   |   |
|---|---|
| Carcinogenicity   | : No data available.                          |
| Reproductive toxicity                                       | : No data is available on the product itself. |
| Germ cell mutagenicity                                      | : No data is available on the product itself. |
| Specific target organ systemic toxicity (single exposure)   | : No data available                           |
| Specific target organ systemic toxicity (repeated exposure) | : No data available.                          |
| Aspiration hazard   | : No data available.                          |

**Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure**

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Prolonged contact may result in chemical burns and permanent damage. Eye disease., Skin disorders and Allergies., Asthma.

**12. Ecological Information**

## Ecotoxicity effects

Aquatic toxicity : No data is available on the product itself.  
 Toxicity to other organisms : No data available.

## Persistence and degradability

Biodegradability : No data is available on the product itself.  
 Mobility : No data available.  
 Bioaccumulation : No data is available on the product itself.

**13. Disposal Considerations**

Waste from residues / unused Products : Contact supplier if guidance is required.

Contaminated packaging : Dispose of container and unused contents in accordance with federal, state, and local requirements.

**14. Transport Information**

## DOT

UN/ID No. : UN2735  
 Proper shipping name : Amines, liquid, corrosive, n.o.s., (Benzylated polyamines)  
 Class or Division : 8  
 Packing group : III  
 Label(s) : 8  
 Marine Pollutant : No

## IATA

UN/ID No. : UN2735  
 Proper shipping name : Amines, liquid, corrosive, n.o.s., (Benzylated polyamines)  
 Class or Division : 8  
 Packing group : III  
 Label(s) : 8  
 Marine Pollutant : No

## IMDG

UN/ID No. : UN2735  
 Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S., (Benzylated polyamines)  
 Class or Division : 8  
 Packing group : III  
 Label(s) : 8  
 Marine Pollutant : No

## TDG

UN/ID No. : UN2735

Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S., (Benzylated polyamines)  
 Class or Division : 8  
 Packing group : III  
 Label(s) : 8  
 Marine Pollutant : No

#### Further Information

The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact a Master Terrazzo Technologies' customer service representative.

### 15. Regulatory Information

Toxic Substance Control Act (TSCA) 12(b) Component(s):

None.

| Country     | Regulatory list | Notification   |
|-------------|-----------------|--|
| USA         | TSCA            | Included on Inventory.   |
| EU          | EINECS          | Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer. |
| Canada      | DSL             | Not on Inventory. Notifications have been submitted to Environment Canada.                                     |
| Australia   | AICS            | Not on Inventory.  |
| Japan       | ENCS            | Not on Inventory.  |
| South Korea | ECL             | Not on Inventory.  |
| China       | SEPA            | Air Products has received a polymer exemption from the Chinese government to import, manufacture or use.       |
| Philippines | PICCS           | Included on Inventory.   |

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification

Acute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level

None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

### 16. Other Information

#### HMIS Rating

Health : 3  
 Flammability : 1  
 Physical hazard : 0  
 Prepared by : Master Terrazzo Technologies  
 Telephone : 1-949-1474  
 Preparation Date : 04/17/2015