



**MASTER  
TERRAZZO**  
TECHNOLOGIES

# Safety Data Sheet

## Morricite WB Urethane Sealer

Version 1.0  
Date: April 20, 2018

### 1. Product and Company Identification

Product Name : Morricite WB Urethane Sealer  
Material Number : 158  
Product Use Description : Resin product, Water Borne Urethane Sealer  
Manufacturer/ Importer : Master Terrazzo Technologies  
Distributor : 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. Hazards Identification

#### Hazard classification

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

GHS classification

Skin irritation – Category 2

Eye irritation – Category 2A

Skin sensitization – Category 1

Reproductive toxicity – Category 1B

GHS label elements

Hazard pictograms/symbols



Signal Word: **Danger**

Hazard Statements:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H360: May damage fertility or the unborn child.

Precautionary Statements:

Prevention P261: Avoid breathing dust/ fume/gas/mist/vapors/spray.

P264: Wash hands thoroughly after handling.

P280: Wear eye protection/face protection.

Response P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

Storage P405: Store locked up.

Disposal P501: Disposal of contents/container to be specified in accordance with regulations.  
 Other Hazards not classified: none known

### 3. Composition/ Information on Ingredients

Component	CAS Number	Concentration (Weight)
Water	7732-18-5	>50%
2-(2-Butoxyethoxy) ethanol	112-34-5	1%-5%
Methyl-2-pyrrolidinone, 1-	872-50-4	<5%
Triethylamine	121-44-8	<1%

CHEMICAL FAMILY: Urethane Hybrid Polymer.

### 4. First Aid Measures

#### Description of first aid measures

**Eye contact** : Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. If eye irritation persists, consult a specialist.

**Skin contact** : Wash off immediately with plenty of water for at least 20 minutes. Remove any contaminated clothing and wash before reuse.

**Ingestion** : Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

**Inhalation** : Move to fresh air.

### 5. Fire-Fighting Measures

**Suitable extinguishing media:** The product itself does not burn.

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

**Special hazards:** No information available.

**Special protective equipment for firefighters:** Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

**Further information:** The product, as distributed, is noncombustible.

### 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 Emergency Response Center for advice. Place in appropriate chemical waste container. Mop up. Rinse residual with water.

**7. Handling and Storage****Handling**

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 from freezing.

**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 : Nitrile rubber.  
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 : Chemical safety glasses.

Skin and body protection : Wear appropriate chemical resistant clothing and chemical resistance gloves.

**Exposure Limit:**

Chemical Name	OSHA PEL	ACGIH TLV
Water	None	none
2-(2-Butoxyethoxy) ethanol	10 ppm	10 ppm
Methyl-2-pyrrolidinone, 1-	10 ppm recommended	10 ppm recommended
Triethylamine	25 ppm	1 ppm

**9. Physical and Chemical Properties****Appearance**

Appearance: Liquid, white  
 Odor: Mild  
 Odor Threshold: Not established  
 Specific Gravity: 1.0-1.1  
 Solids (% by weight): Not established  
 V.O.C.: .140 g/L  
 pH: No data available  
 Boiling point/ Range: 212°F (100°C)  
 Vapor pressure: 18.52 mmHg at 70°F (21°C)  
 Vapor density: Heavier than air  
 Evaporator Rate: No data available  
 Octanol, Water Coefficient: Not Established  
 Freezing/ Melting Point: 0°C  
 Flash Point: N/A

Water Solubility:

Soluble

## 10. Stability and Reactivity

**Stability:** Stable under normal conditions

**Chemical Incompatibility:** None

**Hazardous Polymerization:** None

**Hazardous Decomposition Products:** Thermal decomposition may yield acrylic monomers.

**Conditions to avoid:** Do not freeze. Avoid temperatures above 177°C/350°F, the onset of polymer decomposition, thermal decomposition is dependent on time and temperature.

## 11. Toxicological Information

### 1.1 Information on toxicological effects

#### Likely routes of exposure

Effects on Eye : Contact with eyes may cause irritation.

Effects on Skin : No data available.

Inhalation Effects : No data available.

Ingestion Effects : No data available.

Symptoms : No data available.

#### Acute toxicity

Acute Oral Toxicity : No data is available on the product itself.

Acute Oral Toxicity - Components

Methyl-2-pyrrolidinone, 1-	LD50 : 3,914 mg/kg	Species : Rat.
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Triethylamine	LD50 : 460 mg/kg	Species : Rat.
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Inhalation : No data is available on the product itself.

Inhalation-Components

Methyl-2-pyrrolidinone, 1-	LC50 (4h) :> 5.1 mg/l	Species : Rat.
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Triethylamine	LC50 (1h) :15.7632 mg/l	Species : Rat.
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Acute Dermal Toxicity : No data is available on the product itself.

Acute Dermal Toxicity-Components

Methyl-2-pyrrolidinone, 1-	LD50 : 8,000 mg/kg	Species : Rabbit.
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Triethylamine	LD50 : 420 mg/kg	Species : Rabbit.
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Skin corrosion/irritation : No data available.

Serious eye damage/eye : Mild eye irritation. Information given is based on data on the components and the toxicology of similar products.

Sensitization. : No data available.

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

Carcinogenicity : No data available.

Reproductive toxicity : 1- Methyl-2-pyrrolidinone has caused embryotoxic and teratogenic effects in laboratory animals.

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% or greater. Reproductive toxin: asthma.

## 12. Ecological Information

### Ecotoxicity effects

Aquatic toxicity : No data is available on the product itself.

#### Toxicity to fish - Components

Methyl-2-pyrrolidinone, 1-	LC50 (96 h): 832 mg/l	Species: Bluegill sunfish ( <i>Lepomis macrochirus</i> ).
Methyl-2-pyrrolidinone, 1-	LC50 (96 h): 4,000 mg/l	Species: Golden orfe ( <i>Leuciscus idus</i> )

#### Toxicity to daphnia - Components

Methyl-2-pyrrolidinone, 1-	EC50 (48 h): >4,000 mg/l	Species: Daphnia
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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.

#### Bioaccumulation - Components

Methyl-2-pyrrolidinone, 1- : Negligible bioaccumulation potential.

## 13. Disposal Considerations

**Disposal methods:** Dispose of waste and residues in accordance with local authority requirements. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport Information

DOT

Not dangerous goods.  
 IATA  
 Not dangerous goods.  
 IMDG  
 Not dangerous goods.  
 TDG  
 Not dangerous goods.

### 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	Included on Inventory.
Australia	AICS	Included on Inventory.
Japan	ENCS	Included on Inventory
South Korea	ECL	Included on Inventory
China	SEPA	Included on Inventory
Philippines	PICCS	Included on Inventory

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

Acute Health Hazard Chronic Health Hazard

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

Methyl-2-pyrrolidinone, 1-  
 Triethylamine

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

WARNING! This product does not contain any chemicals known to State of California to cause birth defects or other reproductive harm.

Methyl-2-pyrrolidinone, 1-

### 16. Other Information

#### HMIS

Health	Flammability	Physical Hazard
1	0	0

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 Preparation Date : 04/20/2018