

**SECTION 1: PRODUCT AND COMPANY INFORMATION**

Issue Date: 05/05/15  
Date of previous: 07/15/11

**Manufacturer** Modern Stone Technologies–2225 West Pecos Rd.-Suite 12 – Chandler– AZ 85224 (866) 868-0810  
**Product Family** **Sealer**  
**Trade Name(s)** Barrier EXT  
**Recommended Uses** **Topical sealer for natural stone, concrete, masonry surfaces.**

**24-Hour Emergency Phone Number - CHEMTREC International: (703) 527-3887**

**SECTION 2: HAZARD IDENTIFICATION****Classification:**

Skin Sensitization Category 1  
Eye Irritation Category 2B



**Hazard Pictogram:** Exclamation Mark

**Signal Word:** Warning

**Hazard Statement:** May cause an allergic skin reaction. Causes eye irritation.

**Precautionary Statements:****Prevention**

Wash hands thoroughly after handling. Avoid breathing vapor/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

**Response**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. **If eye irritation persists:** Get medical attention. **IF ON SKIN:** Wash with plenty of water and mild soap if available. **If skin irritation or rash occurs:** Get medical attention. Take off contaminated clothing and wash before reuse.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS Number	Percentage
Dipropylene Glycol Methyl Ether	34590-94-8	1 - 5%
Ethanol, 2-(2-Ethoxyethoxy)	111-90-0	1 - 5%
Ethanol, 2-Butoxy, Phosphate	78-51-3	1 - 5%
Triethylamine	121-44-8	>1 %

Varied percentages are shown due to batch variations and/or to protect formula confidentiality. This mixture may contain additional non-hazardous ingredients not required in this section, and any available exposure limits will be recorded in section 8.

**SECTION 4: FIRST AID MEASURES**

**Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**SECTION 5: FIREFIGHTING MEASURES**

**Extinguishing Media:** Suitable extinguishing media.

**Basic Firefighting Procedures:** In a fire or if heated, a pressure increase will occur and the container may burst.

**Unusual Fire and Explosion Hazards:** No specific fire or explosion hazard.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Refer to Section 8: Exposure Control and Personal Protection**

**Emergency Action:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**Spill/Leak Procedure:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Notification:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

#### SECTION 7: HANDLING AND STORAGE

##### Refer to Section 8: Exposure Control and Personal Protection

**Handling:** Put on appropriate personal protective equipment (see Section 8).

**Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

#### SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

**Component:** Ethanol, 2-(2-Ethoxyethoxy) **CAS:** 111-90-0  
ACGIH – 25 ppm TWA 8 hours

**Component:** Triethylamine **CAS:** 121-44-8  
ACGIH – 1 ppm TWA  
OSHA PEL – 25 mg/m<sup>3</sup> PEL

**Engineering Controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Eye and Face Protection:** Safety eyewear should be used when there is a likelihood of exposure. Recommended: Safety glasses.

**Skin Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Nitrile gloves.

**Respiratory Protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid		
Odor	Little		
Color	Milky white		
Melting/Freezing Point	0°C (32°F)		
Boiling point	100°C (212°F)		
Flash point	Closed cup: >93.334°C (>200°F)		

#### SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** The product is stable.

**Stability/Incompatibility:** Under normal conditions of storage and use no reactions will occur.

**Conditions to Avoid:** None.

**Hazardous Reactions/Decomposition Products:** Under normal conditions of storage and use, hazardous reactions will not occur.

#### SECTION 11: TOXICOLOGICAL INFORMATION

Triethylamine 121-44-8: LD50 Oral (Rat) = 365 mg/kg  
LD50 Dermal (Rat) 416 mg/kg  
LD50 Inhalation (Rat) = 4.2 mg/l 4 hours

Avoid eye and skin contact. Avoid breathing vapors and mist. Do not taste or swallow. Not classified as human carcinogen.

#### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** LC50 Daphnia – Daphnia magna - Neonate: is 3340000 g/L 48 hours.  
LC50 Fish – Ictalurus punctatus: is 6010000 g/L 96 hours.

#### SECTION 13: DISPOSAL CONSIDERATION

Do not reuse empty containers. Containers should be recycled or disposed of at an approved waste facility. Unused product and container should be disposed of according to local, state, and federal regulations at an appropriate facility.

#### SECTION 14: TRANSPORT INFORMATION

**DOT Classification:** Not regulated

**IMDG Classification:**

**Proper Shipping Name** - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)  
**UN number** – UN3082  
**Class** – 9  
**Packing Group** – III  
**Note:** The marine pollutant mark is not required when transported in sizes of ≤5L or ≤5 kg.

**IATA-DGR Classification:**

**Proper Shipping Name** - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)  
**UN number** – UN3082  
**Class** – 9  
**Packing Group** – III  
**Note:** The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**SECTION 15: REGULATORY INFORMATION****U.S. Federal regulations**

**United States inventory (TSCA 8b):** All components are listed or exempted.  
**SARA 302/304/311/312 extremely hazardous substances:** No products were found.  
**SARA 302/304 emergency planning and notification:** No products were found.  
**SARA 302/304/311/312 hazardous chemicals:** No products were found.  
**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** No products were found.

<b>Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs):</b>	Not Listed
<b>Clean Air Act Section 602 Class I Substances:</b>	Not Listed
<b>Clean Air Act Section 602 Class II Substances:</b>	Not Listed
<b>DEA List I Chemicals (Precursor Chemicals):</b>	Not Listed
<b>DEA List II Chemicals (Essential Chemicals):</b>	Not Listed

**Massachusetts:** Dipropylene Glycol Methyl Ether 34590-94-8  
Triethylamine 121-44-8

**Rhode Island:** Ethanol, 2-Butoxy, Phosphate 78-51-3  
Ethanol, 2-(2-Ethoxyethoxy) 111-90-0

**New Jersey:** Dipropylene Glycol Methyl Ether 34590-94-8  
Ethanol, 2-(2-Ethoxyethoxy) 111-90-0  
Triethylamine 121-44-8

**Pennsylvania:** Dipropylene Glycol Methyl Ether 34590-94-8  
Ethanol, 2-(2-Ethoxyethoxy) 111-90-0  
Triethylamine 121-44-8

**California Prop. 65:** WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canadian NPRI:** All components are listed or exempted.

**CEPA Toxic substances:** None of the components listed.

**Canada inventory:** All components are listed or exempted.

**Mexico:** Health 1, Flammability 0, Reactivity 0, Special 0

**Australia inventory (AICS):** All components are listed or exempted.

**China inventory (IECSC):** All components are listed or exempted.

**Japan inventory:** All components are listed or exempted.

**Korea inventory:** All components are listed or exempted.

**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.

**Philippines inventory (PICCS):** All components are listed or exempted.

**SECTION 16: OTHER INFORMATION**

Notice. The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from failure to adhere to recommended practices, or from any hazards inherent in the nature of the product. This SDS complies with the requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200