

SECTION 1: PRODUCT AND COMPANY INFORMATION

Issue Date: 05/05/15
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Manufacturer Modern Stone Technologies–2225 West Pecos Rd.-Suite 12 – Chandler– AZ 85224 (866) 868-0810
Product Family **Sealer**
Trade Name(s) Resilience
Recommended Uses **Water based penetrating sealer for natural stone, concrete, masonry surfaces.**

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

SECTION 2: HAZARD IDENTIFICATION**Classification:**

Specific Target Organ Toxicity (Repeated Exposure) Category 2
Eye Irritation Category 2B



Hazard Pictogram: Health Hazard, Skull And Crossbones

Signal Word: Danger

Hazard Statement: Causes eye irritation. May cause damage to liver through prolonged or repeated exposure. May be fatal if inhaled (aerosolized).

Precautionary Statements:**Prevention**

Wash hands thoroughly after handling. Avoid breathing vapor/spray. **DO NOT AEROSOLIZE** (breathing aerosolized mist may be fatal). Do not eat drink or smoke when using this product. Wear protective gloves and eye protection.

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. Get medical advice if you feel unwell.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
2-Butoxyethanol	111-76-2	> 5%
Isopropyl Alcohol	67-63-0	> 5%
Perfluoroalkyl phosphates, ammonium salts	65530-70-3 65530-72-5	> 5%

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: No specific hazard.

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: 2-Butoxyethanol **CAS:** 111-76-2
ACGIH (TWA/TLV): 20 ppm 8 hours
NIOSH (TWA): 5 ppm 10 hours
OSHA Skin Designation (TWA): 50 ppm 8 hours

Component: Isopropyl Alcohol **CAS:** 67-63-0
ACGIH – 400 ppm STEL
OSHA PEL – 400 ppm TWA
NIOSH (TWA) – 400 ppm

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	Faint		
Color	Clear		
Melting/Freezing Point	0°C (32°F)		
pH	Neutral		
Solubility	Miscible in water		
Flash Point	>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: Do not freeze. Perishable if frozen.

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

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

2-Butoxyethanol: LD50 Dermal (Rat) = >2000 mg/kg
Perfluoroalkyl phosphates, ammonium salts (CAS# 65530-70-3, 65530-72-5) - By analogy with similar materials:
Oral: LD50 > 5000 mg/kg (rat)
Dermal: LD50 >5000 mg/kg (rat)
Inhalation (4 hr) Approximate Lethal Concentration: 0.047 mg/l (rat)

Carcinogenicity:

2-Butoxyethanol: ACGIH A3, IARC 3

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

SECTION 12: ECOLOGICAL INFORMATION

2-Butoxyethanol:

Acute EC50 >1000 mg/L Fresh water Daphnia - Daphnia magna - <24 hours 48 hours
 Acute LC50 800000 to 1000000 ug/L Marine water Crustaceans - Crangon crangon 48 hours
 Acute LC50 1250000 ug/L Marine water Fish - Menidia beryllina - 40 to 100 mm 96 hours
 Chronic NOEC 1000 mg/L Fresh water Daphnia - Daphnia magna - <24 hours 48 hours

Perfluoroalkyl phosphates, ammonium salts (CAS# 65530-70-3, 65530-72-5) - By analogy with similar materials:

Acute toxicity LC50 (96 hour): >36.4 mg/l (Oncorhynchus mykiss)
 Acute toxicity EC50 (48 hour): 16.2 mg/l (Daphnia magna)
 Long Term Toxicity NOEC (21day): 0.232 mg/l (Daphnia magna)

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. (contains anionic fluorosurfactant)
UN number – UN3082
Class – 9
Packing Group – III

IATA-DGR Classification:

Proper Shipping Name - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains anionic fluorosurfactant)
UN number – UN3082
Class – 9
Packing Group – III

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

United States inventory (TSCA 12b): CAS# 65530-70-3, CAS# 66530-75-2; Perfluoroalkyl phosphates, ammonium salts (subject to export notification).

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.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not Listed

Clean Air Act Section 602 Class I Substances: Not Listed

Clean Air Act Section 602 Class II Substances: Not Listed

DEA List I Chemicals (Precursor Chemicals): Not Listed

DEA List II Chemicals (Essential Chemicals): Not Listed

Massachusetts: Isopropyl Alcohol 67-63-0

2-Butoxyethanol 111-76-2

Rhode Island: 2-Butoxyethanol 111-76-2

New Jersey: Isopropyl Alcohol 67-63-0

2-Butoxyethanol 111-76-2

Pennsylvania: Isopropyl Alcohol 67-63-0

2-Butoxyethanol 111-76-2

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 (IECS): 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

SDS – Safety Data Sheet – Modern Stone Technologies

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