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) Tech Seal
Recommended Uses **Sealing natural stone, concrete, masonry surfaces.**

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

SECTION 2: HAZARD IDENTIFICATION

Classification:
Flammable, Category 3
Aspiration Hazard, Category 1
Skin Sensitizer, Category 1
Specific Organ Toxicity (Single Exposure), Category 3

Hazard Pictogram: Flame, Health
Signal Word: Danger
Hazard Statement: Flammable liquid and vapor. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. May Cause drowsiness or dizziness.

Precautionary Statements:

Prevention
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed. Do not breath vapor or mist. Wear protective gloves/clothing/eye wear and face gear.
Response
IN CASE OF FIRE: Use dry chemical, CO2, water spray (fog) or foam to extinguish. **IF SWALLOWED:** Immediately call a **POISION CONTROL CENTER OR DOCTOR**. *Do* **NOT** *induce vomiting*. **IF ON SKIN**: Wash with plenty of water and mild soap. IF skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Distillates (petroleum), hydrotreated light	64742-47-8	30 - 50%
Naphtha (petroleum), heavy alkylate	64741-65-7	30 - 50%

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: In case of contact, immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Call medical doctor or poison control center immediately. Get medical attention immediately.
Eye Contact: Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Call medical doctor or poison control center immediately. Get medical attention immediately.
Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call medical doctor or poison control center immediately.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media: Use dry chemical, CO_2, water spray (fog) or foam. DO NOT USE WATER JET.
Basic Firefighting Procedures: Move containers from fire area if this can be done without risk.
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: Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Put on appropriate personal protective equipment (see Section 8).
Spill/Leak Procedure: Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment.

Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.
Notification: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SECTION 7: HANDLING AND STORAGE

Refer to Section 8: Exposure Control and Personal Protection

Handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Keep away from heat, sparks and flame.
Storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. 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: Naphtha (petroleum) heavy alkylate **CAS:** 64741-65-7
ACGIH – 5 mg/m3 TWA, 10 mg/m3 STEL
OSHA PELs – 5 mg/m3

Component: Distillates (petroleum), hydrotreated light **CAS:** 64742-47-8
ACGIH – 1200 mg/m3 TWA

Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion-proof ventilation equipment.
Eye and Face Protection: Safety eyewear should be used when there is a likelihood of exposure. Recommended: Safety glasses with side eye shields.
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: Lab coat & natural rubber (latex) Gloves
Respiratory Protection: 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. Recommended: Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Ensure an MSHA/NIOSH-approved respirator or equivalent is used.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid		
Odor	Mild Solvent		
Color	Clear		
Melting/Freezing Point (°F/°C)	Weighted average: -27.98°C (-18.4°F)		
Boiling/condensation point (°F/°C)	Weighted average: 185.21°C (365.4°F)		
Solubility	Insoluble in cold and hot water		
Vapor Pressure	Weighted average: 0.56 kPa (4.2 mm Hg) (at 20°C)		

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: The product is stable.
Stability/Incompatibility: Reactive or incompatible with the following materials: oxidizing materials.
Conditions to Avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not swallow.
Hazardous Reactions/Decomposition Products: Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:
Naphtha (petroleum) heavy alkylate: LD50 Oral (Rat) = 1.25 g/kg
Distillates (petroleum), hydrotreated light: LD50 Oral (Rat) = 10,000 mg/kg
Irritation/Corrosion:
Distillates (petroleum), hydrotreated light: LD50 Skin (Rabbit) = 2,000 mg/kg
Respiratory/Skin:
Distillates (petroleum), hydrotreated light: LD50 Inhalation (Rat) = 5.28 mg/L/4hr
Carcinogenicity:
No data.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: LC50 Freshwater Fish: is 100-1000 mg/L based on component data.
Aquatic ecotoxicity: : Naphtha (petroleum) heavy alkylate LC50 Fish >1000 mg/L 96 hour
Naphtha (petroleum) heavy alkylate EC50 Invertebrates >1000 mg/L 48 hour
Naphtha (petroleum) heavy alkylate EC50 Algae 30000 mg/L 72 hour

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:
Proper Shipping Name - PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum),heavy alkylate)
ORM-D Consumer Commodity. Please refer to 49 CFR 173.54, 203, .242 for details.
UN number – UN1268
Class – 3
Packing Group – III

TDG Classification:
Proper Shipping Name - PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum),heavy alkylate)
UN number – UN1268
Class – 3
Packing Group – III

Mexico Classification:
Proper Shipping Name - PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum),heavy alkylate)
UN number – UN1268
Class – 3
Packing Group – III

IMDG Classification:
Proper Shipping Name - PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum),heavy alkylate)
UN number – UN1268
Class – 3
Packing Group – III

IATA-DGR Classification:
Proper Shipping Name - PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum),heavy alkylate)
UN number – UN1268
Class – 3
Packing Group – III

SECTION 15: REGULATORY INFORMATION

HCS Classification Combustible liquid
Irritating material

U.S. Federal regulations
TSCA 8(a) IUR Exempt/Partial exemption: Not determined
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.

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: None of the components listed.
New York: None of the components listed.
New Jersey: None of the components listed.
Pennsylvania: None of the components listed.
California Prop. 65: No products were found.
WHMIS (Canada): Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
Class D-2B: Material causing other toxic effects (Toxic).
Canadian NPRI: The following components are listed: Heavy alkylate naphtha
CEPA Toxic substances: None of the components listed.
Canada inventory: All components are listed or exempted.
Mexico: Health 1, Flammability 2, 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