

SEI Chemical Material Safety Data Sheet
SMP-81 Mold Proofer & Concrete Curing Agent

SECTION 1: Product and Company Identification

SEI Chemical
3430 Union Pacific Ave
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Phone: 323-263-4575
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Product: SMP-81 Mold Proofer & Concrete Curing Agent
Product ID No: SMP-80
Chemical Family: Mixture
Chemical Name: Mixture
Synonyms: Silane coating
Emergency Phone: 800-255-3924
DATE OF LAST REVISION: 12/06/2007

This Material Safety Data Sheet (MSDS) contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated into your MSDS. This MSDS complies with 29CFR 1910.1200 (The Hazard Communication Standard).

SECTION 2: Composition and Ingredient Composition

Hazardous Components

MATERIAL OR COMPONENTS	CAS Number	Weight %	OSHA PEL	ACGIH TLV
Octadecyl aminodimethyl trimethyl Ethoxysylpropyl Ammonium Chloride	027668526	5 to 7	NE	NE
Choloropropyl trimethoxy silane	002530872	1 to 1.5	Not found	
Methanol	67-56-1	1 to 1.2	200ppm	200ppm (TWA)
Dimethyl octadecyll amine	000124287	> 0.07 to <0.1		

Note: NE=None Established

This material does not contain any OSHA or WHMIS reportable hazardous ingredients. Substances listed in the Subsections HAPA and California Proposition 65 Carcinogens/Reproductive Toxins that are not listed in Section 2 are only present at quantities below 0.1% or they are inextricably bound in the product.

SECTION 3: Hazards Identification and Health Information

General Information: CAUTION: Combustible Liquid and vapor.

HMIS Hazard Rating: Health = 1, Flammability = 2 Reactivity = 1
4 = Extreme, 3 = High, 2 = Moderate 1 = Slight, 0 = Insignificant

(HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present.)

NOTE: Respiratory protection is only recommended in the event that ventilation or engineering controls are unable to maintain exposures below recommended levels; or in the event of a spill or other emergency response

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situation. Hazardous materials Identification System and HMIS are registered trademarks of the National Paint and Coating Association.

Routes of Exposure:

Eye Contact: Contact may cause irritation.

Skin Contact/Absorption: May cause skin irritation.

Inhalation: May produce irritation to the nose, throat, respiratory tract and other mucous membranes. May cause lung damage if inhaled as an aerosol.

Ingestion: No known ingestion hazards.

Additional Information: May release Methanol (CAS#: 67-56-1) and Ethanol (CAS#: 67-17-5) upon hydrolysis which irritate eyes, skin and mucous membranes. Methanol can produce narcotic effects up to coma and death. Repeated exposure to Methanol over time can damage the heart, kidneys, liver and optic nerves (blindness). Over exposure to Ethanol can cause central nervous system depression.

Effects of Overexposure: No known or expected chronic health effects. No known internal organ effects.

Medical conditions aggravated by Exposure: Overexposure may cause or aggravate pre-existing lung conditions and diseases such as asthma, emphysema, silicosis, or cancer. Methanol may aggravate existing liver and/or kidney diseases.

Carcinogens: There are no carcinogenic ingredients present at or over 0.1 percent in this material. This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels. See Section 11 for Toxicological Information, if any.

SECTION 4: Emergency First Aid Procedures
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General Information: Get medical attention if irritation occurs or if breathing becomes difficult. Remove contaminated clothing and shoes.

Eyes: Flush with plenty of water for at least 15 minutes. Call a physician immediately.

Skin: Remove contaminated shoes and clothing. Immediately wash skin with soap and plenty of water. If irritation persists, consult a physician.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, qualified personnel should administer oxygen. Seek immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. Dilute by giving water or milk to drink if the victim is conscious. If vomiting does occur, give additional fluids. Consult a physician, hospital or poison control center and/or transport to any emergency facility immediately. If unconscious place and transport in stable sideways position.

SECTION 5: Fire Fighting Measures
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Flash Point. (Test Method): 22°C (72° F) (Closed cup)

Flammable Limits in air (% by vol): Lower: Not determined/Upper: Not determined

Auto ignition Temperature: Not determined

NFPA Hazard Class: (Combustible/Flammable Liquid) IIIA

Extinguishing Media: Dry Chemical. CO₂, dry sand or appropriate foam. Water may be used to cool tanks and structures adjacent to the fire.

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Special Fire Fighting Procedures: The use of self-contained breathing apparatus is recommended for fire fighters.

Usual fire and explosion hazard: Combustible liquid and vapor. Hydrolyzes on contact with moisture releasing ignitable vapors.

Hazardous combustion products: Various hydrocarbon fragments, carbon dioxide, formaldehyde, carbon monoxides, silicon dioxide.

SECTION 6: Accident Release Measures

Precautions: Avoid eye/skin contact and inhale vapors and mists. Obtain appropriate PPE, supplies and equipment prior to attempting any response. Spilled material increases risk of slipping.

Containment: If safe stop leak at its source. Cover opening to underground drains and sewers. Use loose absorbent material or prefabricated socks to dike around small quantities of spilled material (incident spills). Spills of material which could reach surface waters must be reported to United States Coast Guard National Response Center's toll free number 800-424-8802.

Methods for cleaning up: Liquids may be recovered using suction devices or pumps. If flammable only air driven or properly rated electrical equipment should be used. Use absorbent materials to pick up residual liquids. After removing as much material as possible, flush the spill area with water.

SECTION 7: Handling and Storage

Handling Precautions: Keep container closed and away from exposure when not in use. Use with adequate ventilation. Spilled material increases risk of slipping.

Storage Information: Store in original container. Store in warm temperature regulated area to prevent from freezing during weather conditions.

Minimum Temperature: 0°C (32° F) Do not allow this material to freeze.

Maximum Temperature: 38° C (100° F) Temperature limit to maintain product quality.

SECTION 8: Exposure Controls and Personal Protection

Ventilation: Use with adequate ventilation.

Local Exhaust: If spraying or other aerosol generating operations are performed, local exhaust ventilation designed to capture mists and sprays, such as paint spray booth, is recommended.

Respiratory Protection: Respiratory protection is not normally required. If spraying or other aerosol generating operations are performed, respiratory protection for exposed personnel is recommended. A NIOSH approved air purifying equipped with universal multi-contaminant multi/gas/vapor cartridges and at least P-99 solid/aerosol particulate filters is recommended if expose to dusts, mists or vapors could occur.

Hand Protection: Any liquid-tight rubber or vinyl gloves.

Eye Protection: Safety glasses with side shields.

Other Protective Clothing or Equipment: To prevent body contact, impervious clothing, aprons and boots are recommended. The availability of eye wash fountains and safety showers in work area is recommended.

General Hygiene and Protection Measures: Avoid breathing dust/vapor/mist/gas/aerosol. Avoid contact with eyes, skin and clothing. Do not eat, drink, smoke while handling. Wash thoroughly after handling.

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SECTION 9: Physical and Chemical Properties

Form/ Physical State:	Liquid
Color:	Colorless to pale yellow
Odor:	Alcoholic odor
pH:	Not Applicable
Boiling Point/Range:	Not Available
Flash Point:	22°C (72°F) Closed Cup
Upper Explosion Limit:	Not Established
Lower Explosion Limit:	Not Established
Vapor Pressure:	100mm Hg @ 25°C
Specific Gravity:	0.99 @20°C (68°F)
Solubility in Water:	Soluble >90%
Evaporation Rate	Same as water (Butyl Acetate =1)
Auto ignition Temperature:	N/A
Bulk Density:	Approximately 8.25 lb/gal
VOC released during cure	100g/l (Estimated Value)

SECTION 10: Stability and Reactivity

Stability: Product is stable

Hazardous Polymerization: Will not occur

Incompatible Materials: Strong acids and strong bases (alkali or caustic materials) Reaction causes the formation of ethanol and methanol.

Conditions to Avoid: Keep away from incompatible substances.

Hazardous Decomposition Products: Methanol

SECTION 11: Toxicological Information

General Information: Toxicological testing has not been done with this material

Additional Information: Oral Toxicity: Ingestion of methanol releasing compounds may result in delayed damage to the optic nerves, causing permanent blindness, and if untreated may cause potential fatal toxic effects.

SECTION 12: Ecological Information

General Information: Harmful to aquatic organisms. May have long term damaging effects on in-shore waters. Prevent material from entering surface waters and soil. The products of hydrolysis are biodegradable.
Silicone content : Biologically not degradable

SECTION 13: Disposal Considerations

Disposal Recommendation: Material should be disposed in accordance with any applicable federal, state and local environmental control regulations. Small quantities may be disposed by incineration at an approved facility.

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Packing Recommendation: Thoroughly clean out all material from container before disposing. Container may be recycled or reused. Observe local, state and federal regulations.

SECTION 14: Transportation Information

US DOT & Canada TDG Surface: Not regulated for transport. DOT regulated as Combustible Liquid only when packed in bulk containers greater than 119 gallons (450) liters.

Sea transport IMDG Code: Not regulated for transport. Substance does not sustain combustion. Not a marine pollutant

Air transport ICAO-TI/IATA-DGR: Not regulated for transport. Substance does not support combustion

SECTION 15: Regulatory Information

TSCA Inventory: This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical substance inventory.

TSCA 12(B) Export Notification: This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals: This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class: Fire hazard. Delayed (chronic) health hazard

SARA 313 Chemicals: This material does not contain any SARA 313 chemicals above the minimum levels.

HAPS: This material contains the following hazardous air pollutant: Methanol, CAS# 67-56-1

California Proposition 65: This material does not contain any chemicals known to cause cancer or cause reproductive effects.

Massachusetts Substance List: This material contains no listed components.

New Jersey Right-to-know List: This material contains no listed components.

Pennsylvania Right-to-know List: This material contains no listed components.

Canadian DSI Regulations: This material or its components are listed on the Canadian Domestic Substance List. This material does not contain any non-DSL chemicals.

WHMIS Classification: Hazard Class = B3. This product has been classified according to the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

Canadian Ingredient Disclosure List: This material contains no listed components.

Other International Regulations: Listed on the following inventories: AICS – Australia; EINECS – Europe; ECL – Korea; ENCS – Japan; IECSC – China; ICCS – Philippines, HSNO – New Zealand.

EU Risk & Safety Phrases:

R52/53: harmful to aquatic organisms may cause long term adverse effects in the aquatic environment.

S7/9 /Keep container tightly closed and in a well ventilated place

S23: Do not breathe gas/fumes/vapor/spray.

S24: Avoid contact with eyes

S35: This material and its container must be disposed of in a safe way.

S61: Avoid release to the environment.

SECTION 16: Other Information

DISCLAIMER

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of SEI Chemicals. The data on this sheet relates only to the specific material designated herein. SEI

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The method of hazard communication for SEI Chemical is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by SEI Chemical as a customer service.

The handling of products containing solvents requires appropriate protective measures referred to in this MSDS. These products are therefore recommended only for use in industrial or trade (commercial) applications. They are not suitable for use in Do-It-Yourself applications.

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