Safety Data Sheet (SDS)

Section 1 - Chemical Product and Company Information

Product Name: SB2445 Oil Repellent Penetrating Sealer Product Code: B087

Manufacturer:
Shore Corporation
2917 Spruce Way
Pittsburgh, PA 15201

Telephone 412-471-3330
Toll free 800-860-4978
Fax 412-471-3260
www.shorecorporation.com

In case of transportation or chemical emergency contact:

ChemTel, Inc
1-800-255-3924 (24 hours)

Product Use: Masonry sealer
Not recommended for:

Section 2 - Hazards

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H225	Highly flammable liquid and vapour
H316	Causes mild skin irritation
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/…/equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P370+P378	In case of fire: Use … for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in accordance with local/ regional/ national/, regulations.

Signal Word: Danger

Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product. .

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Section 3 - Composition

Chemical Name	CAS number	Weight Concentration %
tert butyl acetate	540-88-5	70.00% - 80.00%
Octamethylcyclotetrasiloxane	556-67-2	5.00% - 10.00%
Triethoxyoctylsilane	2943-75-1	5.00% - 10.00%

Section 4 - First Aid Measures

INHALATION - Take affected persons out into the fresh air. Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of irregular breathing or respiratory arrest provide artificial respiration.
In case of unconsciousness place patient stably in side position for transportation.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

SKIN CONTACT - Immediately remove any clothing soiled by the product.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

INGESTION - If material is ingested, seek immediate medical attention. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs.

Notes to Physician: If swallowed, gastric irrigation with added, activated carbon.
If swallowed or in case of vomiting, danger of entering the lungs.
If necessary oxygen respiration treatment.

Section 5 - Fire Fighting Measures

Flash Point: 4 C (39 F)

LEL: 1.00 UEL: 7.00

EXTINGUISHING MEDIA: Use carbon dioxide (CO2), "alcohol" foam, dry chemical, or sand.

UNUSUAL FIRE OR EXPLOSION HAZARDS: The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

SMALL SPILLS: Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for wastes.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

LARGE SPILLS: Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas.

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for wastes.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 7 - Handling and Storage

HANDLING PRECAUTIONS: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

STORAGE: Requirements to be met by storerooms and receptacles:
Store in a cool location.
Provide ventilation for receptacles.

Avoid storage near extreme heat, ignition sources or open flame.
· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
Do not store together with acids.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Keep container tightly sealed.

REGULATORY REQUIREMENTS: No data found.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
tert butyl acetate 540-88-5	TWA 200ppm 950 mg/m3	TWA 200 ppm	NIOSH IDLH 1500 ppm
Octamethylcyclotetrasiloxane 556-67-2	Not Established	Not Established	Not Established
Triethoxyoctylsilane 2943-75-1	Not Established	Not Established	Not Established

ENGINEERING: Do not use near fire or flame.

VENTILATION: Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits. Use mechanical ventilation to reduce buildup of vapors in enclosed areas.

ADMINISTRATIVE CONTROLS: Read SDS and follow recommended procedures.

PROTECTIVE EQUIPMENT: Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.

Respiratory protection may not be needed if the local exhaust is sufficient to maintain levels of hazardous ingredients below occupational exposure limits. If needed, use a NIOSH/MSHA approved respirator equipped with a full facepiece, organic vapor cartridges, and high-efficiency, particulate air (HEPA) filters. Do not use respirators beyond their capabilities. FOR EMERGENCIES AND UNKNOWN CONCENTRATIONS, use supplied-air respiratory protection or a positive-pressure, self-contained breathing apparatus (SCBA).

CONTAMINATED EQUIPMENT: Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance: Clear liquid	**Odor:** Sweet, fruity
Vapor Pressure: 37.6 hPa	**Odor threshold:** No Data

Vapor Density: No Data	**pH:** No Data
Specific Gravity: 0.87	**Melting point:** No Data
Freezing point: No Data	**Solubility:** No Data
Boiling range: 65°C	**Flash point:** 39 F,4 C
Evaporation rate: No Data	**Flammability:** No Data
Explosive Limits: 1% - 7%	**Partition coefficient (n-octanol/water):** No Data
Autoignition temperature: No Data	**Decomposition temperature:** No Data
Viscosity: No Data	**Grams VOC less water:** No Data

Section 10 - Stability and Reactivity

Stability: Hazardous polymerization will not occur.

STABLE

Components of this mixture are incompatible with the following materials: Oxidizers. This mixture may soften certain plastics and rubbers.

This mixture is likely to exhibit the following combustion products:
Oxides of carbon and nitrogen

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 4,550mg/kg
Dermal Toxicity LD50: 2,318mg/kg

Component Toxicity

540-88-5	tert butyl acetate Oral LD50: 4,100 mg/kg (rat) Dermal LD50: 2,001 mg/kg (rabbit)
556-67-2	Octamethylcyclotetrasiloxane Oral LD50: 4,800 mg/kg (Rat) Dermal LD50: 2,375 mg/kg (Rabbit) Inhalation LC50: 2,975 ppm (

Exposure to this material may affect the following organs:
Central Nervous System Respiratory System

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS Number	Description	% Weight	Carcinogen Rating

Section 12 - Ecological Information

Ecological information: No data found.

Component Ecotoxicity

tert butyl acetate	EC50: 16 mg/l Exposure time: 72 HOURS Species: Pseudokirchneriella subcapitata (green algae) Growth inhibition : EC50: 64 mg/l Exposure time: 96 HOURS No data for
Octamethylcyclotetrasiloxane	Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.022 mg/l, Exposure Time 96 h Toxocity to daphnia and other aquatic invertebrates: EC50 (Daphnia sp.): > 0.015 mg/l, Exposure Time 48 h Toxicity to algae: EC50: > 0.022 mg/l, Exposure time 96 h NOEC: 0022 mg/l, Exposure time 96 h
Triethoxyoctylsilane	EC50 (Daphnia sp.): > 0.049 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: No toxicity at the limit of solubility. ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0.13 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.

Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

Section 14 - Transport Information

This material is classified for transport as follows:

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
US DOT	Flammable liquids, n.o.s. (butyl acetates)	UN1993	II	3

Section 15 - Regulatory Information

Additional regulatory listings, where applicable.

The following chemicals are listed in MA RTK
540-88-5 tert butyl acetate 70 to 80 %

The following chemicals are on the NJ RTK list:
2943-75-1 Triethoxyoctylsilane 5 to 10 %
556-67-2 Octamethylcyclotetrasiloxane 5 to 10 %
540-88-5 tert butyl acetate 70 to 80 %

The following chemicals are on the PA RTK list
2943-75-1 Triethoxyoctylsilane 5 to 10 %
556-67-2 Octamethylcyclotetrasiloxane 5 to 10 %
540-88-5 tert butyl acetate 70 to 80 %

Country	Regulation	All Components Listed
Canada	Canadian Domestic Substances List	No
US	Toxic Substances Control Act	Yes

EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

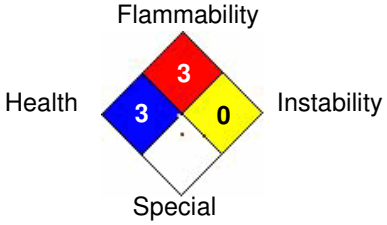
Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = SEVERE

National Fire Protection Association (NFPA)



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Reviewer Revision

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