

# Safety Data Sheet (SDS)

## Section 1 - Chemical Product and Company Information

Product Name: SB2720 ASRestore™ Treatment    Product Code: A939

Manufactured by:

Shore Corporation  
2917 Spruce Way  
Pittsburgh, PA 15201

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

In case of transportation or  
chemical emergency contact:

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

Product Use: Concrete and masonry treatment  
Not recommended for:

## Section 2 - Hazards

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

### GHS Ratings:

### GHS Hazards

### GHS Precautions

### **Signal Word:**

There are no GHS ratings that apply to this product at this time. This SDS contains safe handling information.  
Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product.

## Section 3 - Composition

Chemical Name	CAS number	Weight Concentration %
Water	7732-18-5	60.00% - 70.00%

Lithium Nitrate	7790-69-4	30.00% - 40.00%
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## 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 if irritation persists.

**SKIN CONTACT** - Immediately remove any clothing soiled by the product. Immediately wash with water and soap and rinse thoroughly. Rinse until skin no longer feels slippery. If skin irritation continues, consult a doctor.

**INGESTION** - If material is ingested, rinse out mouth with water and seek immediate medical attention. Do not induce vomiting but if vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs. If victim is conscious drink large quantities of water to dilute stomach contents.

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: None

LEL:

UEL:

**EXTINGUISHING MEDIA:** This product is not inherently flammable. Use media appropriate for surrounding fire.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Dried product is an oxidizer. Surrounding fire may evaporate water and lead to a delayed availability of the oxidizer.

**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. Keep nonessential personnel away from the contaminated area. Spilled product may be very slippery! Dried product is an oxidizer.

**SMALL SPILLS:** Ventilate the contaminated area. Mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, inorganic universal binders). Do not use sawdust or organic binders.

Collect the saturated sorbent and transfer it into a covered container. Steel or plastic containers are acceptable for wastes. Rinse with water to remove any residue.

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. Mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, inorganic universal binders). Do not use sawdust or organic binders

Collect the saturated sorbent and transfer it into a covered container. Steel or plastic containers are acceptable for wastes. Rinse with water to remove any residue.

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. Avoid aerosolizing product. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. 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.

**Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with flammable materials.

**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
Water 7732-18-5	Not Established	Not Established	Not Established
Lithium Nitrate 7790-69-4	Not Established	Not Established	Not Established

**ENGINEERING:**

**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:

<b>Appearance:</b> Clear to pale yellow liquid	<b>Odor:</b> Mild alkali
<b>Vapor Pressure:</b> 17.0 mmHg	<b>Odor threshold:</b> No Data
<b>Vapor Density:</b> 0.6	<b>pH:</b> 7 - 9.5
<b>Specific Gravity:</b> 1.25	<b>Melting point:</b> No Data
<b>Freezing point:</b> No Data	<b>Solubility:</b> No Data
<b>Boiling range:</b> 100°C	<b>Flash point:</b> None
<b>Evaporation rate:</b> No Data	<b>Flammability:</b> No Data
<b>Explosive Limits:</b> No Data	<b>Partition coefficient (n-octanol/water):</b> No Data
<b>Autoignition temperature:</b> No Data	<b>Decomposition temperature:</b> No Data
<b>Viscosity:</b> No Data	<b>Grams VOC less water:</b> No Data

## Section 10 - Stability and Reactivity

Stability: Hazardous polymerization will not occur.

STABLE

Components of this mixture are incompatible with the following materials: Flammable materials

This mixture is likely to exhibit the following combustion products: Dried material is an oxidizer.  
Oxides of nitrogen

## Section 11 - Toxicological Information

### Mixture Toxicity

## Component Toxicity

Exposure to this material may affect the following organs:

## 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).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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## Section 12 - Ecological Information

Ecological information: No data found.

## Component Ecotoxicity

## 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:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
US DOT	Non Regulated			

## Section 15 - Regulatory Information

Additional regulatory listings, where applicable.

The following chemicals are on the NJ RTK list:

7790-69-4 Lithium Nitrate 30 to 40 %

The following chemicals are on the PA RTK list

7790-69-4 Lithium Nitrate 30 to 40 %

**Country**

Canada

US

**Regulation**

Canadian Domestic Substances List

Toxic Substances Control Act

**All Components Listed**

Yes

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	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

**HMIS & NFPA Hazard Rating Legend**

\* = Chronic Health Hazard

0 = INSIGNIFICANT

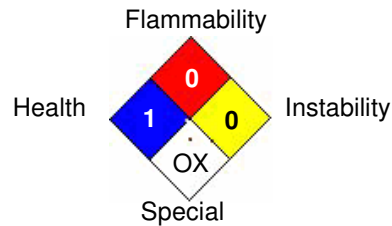
1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = SEVERE

**National Fire Protection Association (NFPA)**



**DISCLAIMER AND NON-WARRANTY:** This Safety Data Sheet was prepared by Shore Corporation and is correct to the best of our knowledge, information and belief at the date of its publication. The information came from raw material suppliers, regulatory databases, and/or third parties with expertise in this area. This information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. No warranties of any kind, either expressed or implied, including warranties of the accuracy of the information presented and the suitability of a product for a particular purpose

Reviewer Revision

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