

# MATERIAL SAFETY DATA SHEET

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## **CONCRETE SEALER X-1**

### **1. PRODUCT AND COMPANY IDENTIFICATION**

Trade Name: CONCRETE SEALER X-1  
Manufacturer: Stone Technologies Corp., P.O. Box 2161, Cleveland, TN 37320  
Telephone: (423) 503 4490  
Chemical Name: Sodium Silicate Based Blend  
Product Use: Concrete Sealer

### **2. COMPOSITION INFORMATION**

<u>CHEMICAL NAME</u>	<u>CAS. NO.</u>	<u>TLV</u>	<u>PERCENT</u>
Water	7732-18-5	N/A	>40%
Sodium Silicate	1344-09-8	N/A	< 40%
Proprietary Blend	N/A	N/A	<20%

### **3. HAZARD IDENTIFICATION**

Eye Contact: Can cause eye irritation and possible corneal damage.  
Skin Contact: Prolonged or repeated contact may cause skin irritation and dermatitis.  
Ingestion: Swallowing may cause gastrointestinal irritation, diarrhea, nausea and vomiting. Can cause destruction of mucous membranes.  
Inhalation: Excessive inhalation of vapors can cause respiratory tract irritation, dizziness, weakness, nausea and possible unconsciousness.

### **4. FIRST AID MEASURES**

Eye Contact: Flush eyes with water for 15 minutes. Call a physician if irritation persists.  
Skin Contact: Remove contaminated clothing/shoes and wipe excess from skin. Wash with soap and water for 15 minutes. Get medical attention if irritation develops.  
Ingestion: Do not induce vomiting. Call a physician immediately.  
Inhalation: If irritation, headache, nausea or drowsiness occurs, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician immediately.

### **5. FIRE FIGHTING MEASURES**

Flash Point (C.O.C.): > 200°F Ignition Temp: ND Flammability Limits: ND  
According to NFPA Guide, use water spray, dry chemical foam or carbon dioxide. Water or foam may cause frothing. Use water to cool fire exposed containers. If a leak or spill or leak has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.  
Wear NIOSH/MSHA approved self-contained breathing apparatus (SCBA).

Unusual/Explosive Hazards: None

### **6. ACCIDENTAL RELEASE MEASURES**

Notify the appropriate authorities immediately. Contain spill if possible. Avoid breathing vapor. Use self-contained breathing apparatus or supplied air for large spills or in a confined area. Wipe up or use suitable absorbent material and shovel into appropriate container for disposal. Prevent entry into sewers or waterways. Avoid contact with skin, eyes or clothing.

### **7. HANDLING AND STORAGE**

Precautions: Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperature should be minimized.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Protective Equipment: Eye wash facility and safety shower recommended.  
Eye/Face Protection: Safety glasses or face shield recommended to prevent eye exposure.  
Skin Protection: Gloves. Workers should wash exposed skin several times daily with soap and water. Soiled clothing should be laundered at least weekly.

Respiratory Protection: For fire conditions or exposure above TLV wear NIOSH/MSHA approved respirators.

Ventilation: Local exhaust is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Odor: Clear to slightly turbid liquid with no odor.

Boiling Point: >200°F

Solubility in Water: Soluble

Specific Gravity: 1.1 g/ml

**10. STABILITY AND REACTIVITY**

This material reacts with strong oxidizers and strong acids. Carbon monoxide, carbon dioxide, and various hydrocarbons may be released during a fire.

Hazardous polymerization does not occur.

**11. TOXICOLOGICAL INFORMATION**

This product does not contain material shown to be a carcinogen by the National Toxicology Program (NTP), The International Agency for Research on Cancer (IARC) or OSHA.

**12. ECOLOGICAL INFORMATION**

No data is available on the adverse effects of this material on the environment. A film or sheen may cause discoloration of the water surface or adjoining shoreline.

**13. DISPOSAL CONSIDERATIONS**

For Spill: Remove all unnecessary personnel and eliminate all ignition sources. Contain spill and salvage as much material as possible by pumping to a salvage tank or drum. Pick up remaining material with a suitable absorbent.

Waste Disposal Method: Dispose of only by methods approved by and used in accordance with local State and Federal Regulations.

**14. TRANSPORTATION INFORMATION**

D.O.T.: Not regulated.

Hazard Class: Not applicable.

UN/NA ID Number: Not applicable.

Proper Shipping Name: Not regulated.

**15. REGULATORY INFORMATION**

TSCA: All components of this material are listed in the U.S. TSCA Inventory.

R.C.R.A.: This product does not meet the definitions or contain any substance appearing in the listings contained in 40CFR261, "Identification and Listing of Hazardous Waste".

This product has been reviewed in accordance with Sections 311 (MSDS Inventory) and Section 312 (Tier Inventory) of the Superfund Amendment and Reauthorization Act of 1986 (CFR 40 370.2) for "Hazard Category" status under applicable definitions. The product meets the following categories Immediate (Acute) Health Hazard and Fire Hazard.

This product does not contain or was manufactured with any EPA Class 1 or Class II ozone depleting substances.

**16. OTHER INFORMATION**

The information contained in this Material Safety Data Sheet is based on the neat or concentrated product as shipped.

HMIS Health=2 Flammability=0 Reactivity=0 Personal Protection=X

X - Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

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NA = Not available ND = Not determined < = Less than > = Greater than