

Material Safety Data Sheet

Stone Spray-N-Seal®

Date of Preparation: June, 2003

Revision: August, 2007

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Stone Spray-N-Seal ®

Chemical Formula: Mixture

CAS Number: Mixture – See Below

Other Designations: None

General Use: Water-based Sealer for Natural Stone

Manufacturer: Stone Care International Inc. P.O. Box #703, Owings Mills, Maryland 21117-0703

Phone: 410-783-0045

24-Hour Phone Number for Medical & Spill Emergencies: 1-800-535-5053

For International Emergencies outside the United States Call Collect (352) 323-3500

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt.
Water	7732-18-5	80 - 90 %
Trade Secret Non-Hazardous Ingredients (anionic fluorochemical dispersion)	NA	5 – 15 %
Ethylene glycol monobutyl ether	111-76-2	2 – 5 %
Isopropanol	67-63-0	2 – 5 %

IARC, NTP, and OSHA do not list any of the components of this product as human carcinogens.

Ingredient	CAS #	OSHA		ACGIH		NIOSH		IDLH
		PEL	STEL	TLV	STEL	REL	STEL	
Ethylene glycol monobutyl ether	111-76-2	50 ppm	NE	20 ppm	NE	5 ppm	NE	700 ppm
Isopropanol	67-63-0	400 ppm	NE	200 ppm	400 ppm	400 ppm	500 ppm	2000 ppm

Section 3 - Hazards Identification

Potential Health Effects:

This is a water-based product. The solvent component of this product is limited so listed health effects are not expected under normal conditions of use.

Primary Entry Routes: Inhalation, Skin Contact, Eye Exposure, Ingestion

HMIS	
H	1
F	0
R	0
PPE†	B
†Sec.	8

Target Organs: Respiratory System, Blood System, Kidney, Liver, Eye, Skin, G.I. Tract (if swallowed).

Acute Effects

Inhalation: Prolonged, concentrated exposure to the vapors may cause dizziness, headaches or other central nervous system effects. Inhalation to the mist may cause irritation to upper respiratory tract.

Eye: Direct contact may cause irritation, redness and discomfort.

Skin: Irritation may occur with direct contact or with repeated exposures.

Ingestion: Ingestion may cause severe abdominal discomfort vomiting or nausea.

Chronic Effects

Carcinogenicity: IARC, NTP, and OSHA do not list any of the components of this product as human carcinogens.

Medical Conditions Aggravated by Long-Term Exposure: Individuals with skin conditions (dermatoses) may be affected by direct skin exposure.

Section 4 - First Aid Measures

Inhalation: Remove affected individual from contaminated area to fresh-air. If respiratory symptoms such as difficulty in breathing continue after removal from the area, seek medical attention.

Eye Contact: Immediately flush eyes with large quantities of water for at least 15 minutes. Holding the eyelids apart, thoroughly irrigate the entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician. Obtain medical attention if irritation persists or vision is affected.

Skin Contact: Wash exposed areas with soap and water for several minutes. Remove contaminated clothing and launder.

Ingestion: Do not induce vomiting or administer emetics. Give 2-3 glasses of water. Do not give anything by mouth to an unconscious person. Determine the amount ingested and contact a poison control center for additional direction. If signs or symptoms are present, seek immediate medical assistance.

Note to Physician: Detailed treatment guidelines are available from the DOW Chemical Company, MSDS Butyl Cellosolve™ Solvent, See Section 4. The DOW chemical emergency telephone number is 989-636-4400. (Treatment guidelines are for Butyl Cellosolve™ ingredient only.)

Section 5 - Fire-Fighting Measures

Flash Point: Non-flammable

Flash Point Method: NA

Burning Rate: NA

Auto-ignition Temperature: NA

LEL: NA

UEL: NA

Flammability Classification: NA

Extinguishing Media: NA

Unusual Fire or Explosion Hazards: This product is not considered combustible.

Hazardous Combustion Products: None expected.

Fire-Fighting Instructions: No Special Instructions. This product will not burn under normal conditions.

Fire-Fighting Equipment: Wear full protective clothing and positive-pressure, self-contained breathing apparatus if this product is involved in a fire.



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Small spills can be cleaned up with absorbent towels and placed in the trash as permitted by regulatory authorities. Large spills can be absorbed by inert materials and placed into a container for proper disposal.

Section 7 - Handling and Storage

Handling Precautions: Do not eat, drink or smoke while using this product. Avoid direct contact with food products and remove exposed food items prior to use, to prevent over-spray. Avoid contact with eyes, skin and clothing. Wash hands after use with soap and water. Keep all chemicals out of the reach of children and animals.

Storage Requirements: Store in a cool, dry area in an upright position. Secure all household chemicals from child access. Avoid freezing conditions or excessive heat exposure.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Not typically required.

Gloves: For maximum protection, use a Nitrile or Natural Rubber Latex glove.

Protective Clothing: Not required under normal conditions of use. Nitrile or Natural Rubber covering can be used to protect clothing, if desired.

Respiratory Protection: Not typically required. Maintain adequate ventilation with any chemical use. Use NIOSH approved vapor respirator if used in areas where vapor concentrations exceed the occupational exposure limits specified.

Eye Protection: Safety glasses or goggles are recommended to prevent eye exposure.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Clear liquid with a light alcohol-solvent aroma

Odor Threshold: ND

Vapor Pressure: ND

Vapor Density (Air=1): ND

Formula Weight: ND

Density: ND

Specific Gravity (H₂O=1, at 4 °C): 1.02 ± 0.007

pH: ND

Water Solubility: Soluble in Water

Other Solubilities: NA

Boiling Point: NE; < 212 °F

Freezing/Melting Point: Approximately 32 °F

Viscosity: ND

Refractive Index: ND

Surface Tension: ND

% Volatile: NE

Evaporation Rate: NE

Section 10 - Stability and Reactivity

Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities: This product is not likely to be reactive, but component ingredients may react to strong acids, bases or oxidizers. Avoid mixing with aldehydes and halogens.

Conditions to Avoid: Avoid mixing with other products.

Hazardous Decomposition Products: Besides oxides of carbon and nitrogen, hydrofluoric acid and carbonyl difluoride may be generated under high temperatures. Ethylene glycol monobutyl ether may decompose to aldehydes, ketones and organic acids.

Section 11- Toxicological Information

Toxicity Data:*

Prolonged and repeated exposure to excessive concentrations of this product may cause irritation. Exposure to the mist may cause irritation of the respiratory system. Ethylene glycol monobutyl ether is a confirmed animal carcinogen with unknown relevance to humans (TLV-A3, EPA-C, EPA-CBD).

*For additional toxicological study information on ethylene glycol monobutyl ether see NIOSH – RTECS #: **KJ8575000**

Isopropanol is listed as a TLV-A4: Not classifiable as a human carcinogen.

*For additional toxicological study information on isopropanol see NIOSH RTECS #: **NT8050000**

Section 12 - Ecological Information

Ecotoxicity: The component ingredients in this product are readily bio-degradable and classed as non-toxic.

Section 13 - Disposal Considerations

Disposal: Waste is not hazardous as defined by RCRA (40 CFR 261). Method of disposal is to landfill.

Disposal Regulatory Requirements: Follow applicable Federal, state, and local regulations. Used material which has been contaminated may have significantly different characteristics based on contaminant and should be evaluated accordingly.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: NA Shipping Symbols: NA Hazard Class: NA ID No.: NA Packing Group: NA Label: NA Special Provisions (172.102): None	Packaging Authorizations a) Exceptions: b) Non-bulk Packaging: c) Bulk Packaging:	Quantity Limitations a) Passenger, Aircraft, or Railcar: b) Cargo Aircraft Only: Vessel Stowage Requirements a) Vessel Stowage: b) Other:
--	--	--

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: NA
 RCRA Hazardous Waste Classification (40 CFR 261): Not classified
 CERCLA Hazardous Substance (40 CFR 302.4) Material is not recordable under CERCLA.
 SARA 311/312 Codes: NA
 313 Reportable ingredients: Isopropanol is listed under section 313 for TRI reporting.
 CA Proposition 65 List: NA

OSHA Regulations:

Hazard Communication Standard (29 CFR 1910.1200): This material is regulated.
 See section 3 of this MSDS.

Section 16 - Other Information

Prepared By: Steve High, Consultant

Revision Notes: NA

Disclaimer: Stone Care International, Inc. (SCI) believes that the information contained in this material safety data sheet is accurate as of the date of preparation. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE BASED ON THE INFORMATION PROVIDED. The information provided in each data sheet relates only to the specific product designated therein and may not be valid where such product is used in combination with any other materials or in any process. The information provided in this mixture has been developed from the individual supplier MSDS's and their hazard determinations. Further, since the conditions and methods of use of the product and information referred to in such data sheet are beyond the control of SCI, the company expressly disclaims any and all liability as to any results obtained or arising from any use of the product or product information contained herein.

NE = Not Established; NA = Not Applicable; ND = Not Determined