

# SAFETY DATA SHEET

Company Name: Superior Stone Products, Inc.

**Product Name: Superior Zero Ultimate Stone Protector**

Issue Date: 6/21/06

Revision Date: 8/31/18

SDS Number: 200-50000



## Section I – Product and Company Identification

**Product Identifier:** Superior Zero Ultimate Stone Protector

**Product Description/Use:** Stone Impregnator/Sealer

**Product Code:** 50000

**Chemical Family:** Water Based Stone Sealer

**Company:**

Superior Stone Products, Inc.

8580 Byron Commerce Drive

Byron Center, MI 49546

Phone: (616) 583-0171

**24 Hour Emergency Telephone Number:**

**CHEMTREC 800-424-9300**

## Section II – Hazards Identification

**GHS Hazard Classification(s):**

**Acute Toxicity:** Category 5, Dermal

**Acute Toxicity:** Category 5, Oral

**Acute Toxicity:** Category 5, Inhalation

**Specific Target Organ Systemic Toxicity - Single Exposure:** Category 3, Respiratory Tract Irritation

**Specific Target Organ Systemic Toxicity - Repeated Exposure:** Category 2



**Symbols:**

**Signal Word(s): Warning**

**Hazard Statements:**

H303: May be harmful if swallowed.

H313: May be harmful in contact with skin.

H333: Maybe harmful if inhaled.

**Precautionary Statements:**

**Prevention**

P260: Do not breathe fumes/gas/mist/vapours/spray.

**Response**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a poison center or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash

H335: May cause respiratory irritation.

H373: May cause damage to lungs, liver, kidney and thyroid through prolonged or repeated exposure.

P271: Use only outdoors or in a well-ventilated area.

with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Collect Spillage. In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Storage**

Store locked up. Store in a well ventilated place. Keep cool.

**Disposal**

Dispose of contents and container in accordance with all local, regional, national, international regulations.

**Hazards not otherwise classified:** None known.

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## Section III – Composition/Information on Ingredients

**Substance/Mixture:** Mixture

| <u>Ingredient</u> | <u>Synonym(s)</u>      | <u>% (By Weight)</u> | <u>CAS#</u> | <u>EINECS No.</u> |
|-------------------|------------------------|----------------------|-------------|-------------------|
| 2-Butoxyethanol   | Glycol Ether EB        | <10%                 | 111-76-2    | 203-905-0         |
| Isopropanol       | IPA, Isopropyl Alcohol | <5%                  | 67-63-0     | 200-661-7         |
| Stone Protector   | N/A                    | 1-10%                | Proprietary | Proprietary       |

## Section IV – First Aid Measures

**If Swallowed:** Get medical attention. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**If Inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Eyes:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists.

## Section V - Fire Fighting Measures

**Suitable Extinguishing Media:** Water Spray, fog, foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media:** Do not use water jet.

**Special Fire Fighting Procedures:** Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus and full protective clothing. Equipment should be thoroughly decontaminated after use.

**Unusual Fire and Explosion Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk.

**Hazardous Products of Combustion:** Decomposition products may include the following material: Oxides of carbon, phosphorous and toxic products such as hydrogen fluoride and other fluorinated or phosphorylated organic compounds.

## Section VI - Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures**

**For Non-Emergency Personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Do not touch or walk through spilled material. Provide adequate ventilation.

**For Emergency Responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See also the information for non-emergency personnel.

**Methods and Materials for Containment and Cleaning Up**

**Small Spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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**Large Spill:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section VII - Handling and Storage

### Precautions for Safe Handling

**Protective Measures:** Put on appropriate personal protection equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not breath vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined space unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible materials, kept tightly closed when not in use. Store and use away from heat, sparks open flame or any other ignition source. Use explosion-roof electrical (ventilating, lighting and material handling) equipment. Use only on-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do no reuse container.

**Advice on General Occupational Health:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for Safe Storage, Including and Incompatibles:** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Segregate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do no store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Refer to the product label and/or technical data sheet for further information.

## Section VIII - Exposure Controls/Personal Protection

**Likely Routes of Exposure:** Inhalation, Dermal, Ingestion.

**Control Parameters**

**Occupational exposure Limits:**

Ingredient Name

2-Butoxyethanol

Exposure Limits

**ACGIH TLV (United States)**

TWA: 20 ppm - 8 hours

**OSHA (United States)**

PEL: 50 ppm (240 mg/m<sup>3</sup>)

**ACGIH TLV (United States)**

TWA: 200 ppm - 8 hours

STEL: 400 ppm

Isopropyl Alcohol

**Engineering Controls:** Use only with adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard. Engineering controls also need to keep gas vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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**Environmental Exposure Controls:** Emissions from ventilation of work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. .

## Individual Protection Measures

**Hygiene Measures:** Wash Hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/Face Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gasses or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Hand Protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other Skin Protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory Protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section IX – Physical and Chemical Properties

**Physical State:** Liquid

**Color:** Clear

**Odor:** Alcohol

**Odor Threshold:** No information available.

**pH:** Not Available

**Melting Point:** No information available.

**Boiling Point:** Approximately 100 °C

**Flash Point:** No information available.

**Evaporation Rate:** No information available.

**Lower and Upper Explosive (Flammable) Limits:** No information available.

**Vapor Pressure:** Similar to H<sub>2</sub>O

**Vapor Density:** Similar to H<sub>2</sub>O

**Relative Density:** <1

**Solubility:** Complete

**Partition Coefficient: n-Octanol/water :** No information available.

**Auto-Ignition temperature:** No information available.

**Decomposition Temperature:** No information available.

**Viscosity:** Not Available.

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## Section X - Stability and Reactivity

**Reactivity:** Not expected to be explosive, self-reactive, self-heating, or an organic peroxide under US GHS definitions.

**Chemical Stability:** Material is stable

**Conditions to avoid:** Protect from freezing. Maybe perishable if frozen.

**Incompatibility (materials to avoid):** Strong oxidizing agents or reducing materials.

**Hazardous Decomposition:** Under extremely high temperatures the following products may be produced: Oxides of carbon, phosphorous and toxic products such as hydrogen fluoride and other fluorinated or phosphorylated organic compounds

## Section XI - Toxicological Information

**Acute Toxicity:** Short term inhalation of vapors is not likely to cause harmful effects. Breathing large amounts of vapor or mist may cause irritation of the nose throat, or respiratory tract. Breathing large amounts of mist may result in pneumonitis or pulmonary edema. See below.

**Irritation/Corrosion:** No information available

**Sensitization:** No information available

**Mutagenicity:** No information available

**Carcinogenicity:** No information available

**Reproductive Toxicity:** No information available

**Teratogenicity:** No information available

**Specific Target Organ Toxicity (Single Exposure):** No information available

**Specific Target Organ Toxicity (Repeated Exposure):** No information available

**Likely Routes of Exposure:** Inhalation, Dermal, Ingestion.

### Potential Acute Health Effects:

Eye Contact: Direct contact of liquid or mists may cause mild reversible eye irritation.

Inhalation: Short term inhalation of vapors is not likely to cause harmful effects. Breathing large amounts of vapor or mist may cause irritation of the nose throat, or respiratory tract. Breathing large amounts of mist may result in pneumonitis or pulmonary edema.

Skin Contact: Over exposure may cause defatting and mild irritation.

Ingestion: Swallowing large amounts may be harmful.

## Section XII - Ecological Information

**Toxicity:** No information available

**Persistence and Degradability:** No information available

**Bioaccumulative Potential:** No information available

### Mobility in Soil:

Soil/water Partition Coefficient (Koc): Not available

Other Adverse Effects: No information available

## Section XIII - Disposal Considerations

The information in this section contains generic advice and guidance. The list of identified uses in Section 1 should be consulted for any available use-specific information.

**Disposal Methods:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Disposal of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid disposal. Attempt to use product completely in accordance with intended use. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is no feasible.

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**Special Precautions:** This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, water ways, drains and sewers.

## Section XIV - Transportation Information

### DOT (DEPARTMENT OF TRANSPORTATION)

Not Regulated

Please refer to DOT regulations for more info

### Canada (TDG)

Not Regulated

Please refer to TDG Regulations for more info

### International Air Transport Association (IATA)

Not Regulated

Please refer to IATA regulations for more info.

### International Maritime Organization (IMO)

Not Regulated

Please refer to IMO regulations for more info.

**Special Precautions for User:** Transport within users premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the products know what to do in the event of an accident or spillage.

## Section XV - Regulatory Information

### United States Federal Regulations:

#### Sara Title III - Section 311/312

| <u>Criteria</u>                    | <u>Yes/No</u> |
|------------------------------------|---------------|
| Immediate (Acute) Health Effects:  | Yes           |
| Chronic (Delayed) Health Effects:  | No            |
| Fire Hazard:                       | No            |
| Sudden Release of Pressure Hazard: | No            |
| Reactivity:                        | No            |

#### State Regulations:

Massachusetts: No information available.

New York: No information available.

New Jersey: No information available.

**California Prop. 65: Warning:** This product is not known to contain a chemical known to the State of California to cause cancer or other reproductive harm.

#### Canada:

Canadian WHMIS Classification: No information available.

Ingredient Disclosure List: All components are listed or exempted.

## Section XVI - Other Information

### Hazardous Material Information System (United States):

|                  |   |
|------------------|---|
| Health           | 1 |
| Flammability     | 0 |
| Physical Hazards | 0 |

Caution: HMIS® rating are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a

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registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

## National Fire Protection Association (United States):

|                    |   |
|--------------------|---|
| Health:            | 1 |
| Fire Hazard:       | 0 |
| Reactivity Hazard: | 0 |
| Special:           | - |

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