



**Cemstone Products Company**  
2025 Centre Point Boulevard, Suite 300  
Mendota Heights, MN 55120-1221

**Emergency Telephone Number:**  
651-688-9292  
**Information Telephone Number**  
651-688-9292

**Revision Date**  
February 2017

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### Section 1: Product Identification

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Product Type: Concrete Curing

**Product Name:**

Type S Surface Retarder

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### Section 2: Hazard Identification

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**Hazard Risk Classification**

This product has been evaluated according to GHS and 29CFR1910.1200, Appendix A, and is not classified as a dangerous substance or mixture.

**Label Elements:**

**Hazard Pictogram:** none  
**Signal Word:** none  
**Hazard Statements:** none

**Applicable Precautionary Statements:**

**Precautionary Statements:**

**General**

Read label before use. Keep out of reach of children.

**Other hazards**

None known. No hazards other are likely from normal use of this product.

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### Section 3: Hazardous Ingredients/Composition

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Ingredient	Typical Percentage*	CAS #
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No reportable quantities of hazardous ingredients are present.

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### Section 4: First Aid Measures

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**Eye contact:**

Hold eyelids apart and flush eyes with plenty of water. At least fifteen minutes of flushing is recommended for any chemical contact. If any irritation persists, get medical attention.

**Skin Contact:**

Wash thoroughly with soap and water.



**Inhalation:**

Typically not an inhalation hazard. If any irritation develops, move to fresh air. If adverse effects occur, get medical attention.

**Ingestion:**

Get medical attention if adverse effects occur.

**Primary routes of exposure:**

Skin contact.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**

**Eye contact:** Direct contact with eyes may cause mild irritation. Eyes may water profusely.

**Skin contact:** May cause irritation and redness for susceptible individuals.

**Inhalation:** May cause respiratory irritation in susceptible individuals in mist or vapor form. May cause shortness of breath, sneezing, and coughing.

**Ingestion:** Not a likely route of exposure. Small amounts are not expected to be harmful. May cause irritation if large amounts are swallowed. Nausea and stomach pain may occur. There may be vomiting and diarrhea.

**Indication of any immediate medical attention and special treatment needed**

**Symptoms of overexposure:** Mild eye irritation could develop from direct contact. Eye wash stations should be available.

Note to physician: Treat according to symptoms. No known specific antidote.

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**Section 5: Fire Fighting Measures**

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**Fire extinguishing media:** Use extinguisher suitable for surrounding material. For dried material, extinguish by water spray, foam, dry chemical, or carbon dioxide.

**Special hazards arising from the substance or mixture:** none.

**Hazardous combustion products:** none.

**Special protective actions for fire-fighters:** none.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus (SCBA). Wear personal protective equipment to prevent contact with skin and eyes.



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### **Section 6: Accidental Release Measures**

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Prevent further leakage or spill if safe to do so. Collect as much as possible for use or disposal in a properly labeled container. Flush remainder into normal drainage with copious amounts of water.

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### **Section 7: Handling and Storage**

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#### **Precautions for safe handling**

Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying of mist and dust overspray.

#### **Conditions for safe storage, including any incompatibilities:**

Store the product in a cool, well-ventilated area.  
Keep away from direct sunlight.  
Keep container tightly closed.  
Wash hands after use.  
Do not eat, drink, or use tobacco products when handling any chemical products.

#### **Other precautions:**

All empty containers should be disposed of in an environmentally safe way in accordance with all local, state, and national regulations.

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### **Section 8: Exposure Controls/Personal Protection**

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**Occupational Exposure Limits:** None established

#### **Engineering Controls:**

Sufficient to maintain vapors below recommended limits. General ventilation is usually adequate for typical product use.

#### **Personal protective measures and equipment**

**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. Remove potentially contaminated clothing and wash before reusing.

**Eye/face protection:** Safety glasses with side shields are recommended to ensure against any eye contact. Chemical safety goggles (ANSI A87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.



**Hand protection:** Chemical-resistant, impervious gloves should be worn when handling chemical products, particularly for prolonged contact. Check gloves during use to ensure that the gloves are still retaining their protective properties.

**Other protective clothing or equipment:** A source of clean water should be available for flushing eyes and skin. Protect skin, wear appropriate protective clothing.

**General hygiene:**

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA guidelines.

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**Section 9: Physical and Chemical Properties**

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<b>Appearance:</b>	liquid
<b>Color:</b>	clear
<b>Odor:</b>	odorless
<b>pH:</b>	neutral
<b>Flash Point:</b>	noncombustible
<b>Flammable Limits:</b>	not applicable
<b>Boiling Point:</b>	above 212°F (100°C)
<b>Melting point:</b>	not applicable
<b>Specific Gravity:</b>	similar to water
<b>Density:</b>	8.4 pounds per gallon
<b>Solubility in water:</b>	dilutable
<b>Evaporation Rate:</b>	not determined
<b>Evaporation rate (butyl acetate = 1):</b>	<1 (equivalent to water)
<b>Vapor Pressure:</b>	negligible
<b>VOC:</b>	none

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**Section 10: Stability and Reactivity**

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**Reactivity:** No dangerous reaction known under conditions of normal use.

**Stability:** Stable under normal conditions and handling.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** None known.

**Incompatible materials:** None known. Materials that are not compatible with water or ordinary organics will not be compatible with this material.

**Hazardous polymerization:** Will not occur.



**Hazardous decomposition products:** Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide.

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### Section 11: Toxicological Information

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Toxicity testing has not been done on product as a whole.

Not considered acutely toxic.

No ingredients are reported as aspiration hazards, reproductive toxicants, or germ cell mutagens.

No ingredients are listed as carcinogenic according to IARC, ACGIH, NTP, or OSHA

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### Section 12: Ecological Information

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Product as a whole has not been tested. It is not expected to cause significant environmental impact.

**Ecotoxicity:** Most ingredients are considered practically nontoxic to aquatic organisms.

**Persistence and degradability:** Readily and rapidly biodegradable.

**Mobility in soil:** No information available.

**Bioaccumulation:** Product does not bioaccumulate.

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### Section 13: Disposal Considerations

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Dispose of in accordance with federal, state, and local regulations. Normally can be flushed down sewers.

Contaminated containers must be treated as household waste. Where practical, containers and packaging should be recycled by a licensed contractor.

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### Section 14: Transportation

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Not a DOT-regulated hazardous material. Not classified as dangerous goods for DOT, IATA, IMDG, TDG.

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### Section 15: Regulatory Information

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This product does not contain any

- chemicals regulated under:  
CERCLA  
SARA 302 EHS



SARA 313  
SARA 311/312

- Hazardous Air Pollutants.
- Chemicals known to the state of California to cause cancer or reproductive effects.
- Chemicals on the New Jersey Right to Know Hazardous Substance List

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**Section 16: Other Information**

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HMIS® Rating:    Health: 0    Fire: 0    Reactivity: 0  
*HMIS® is a registered trademark of the National Paint and Coatings Association*  
NFPA 704 Rating: Health: 0    Fire: 0    Instability: 0

Additional information on the product is available at. [www.cemstone.com](http://www.cemstone.com)

**Date and Revision: 28 February 2017, Revision 0**

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