PS108 Sodium Silicate Densifying WB Penetrating Sealer w/ Siliconate Repellent

1 Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name:</strong> PS108 Sodium Silicate Densifying WB Penetrating Sealer w/ Siliconate Repellent</td>
<td></td>
</tr>
<tr>
<td><strong>Other means of identification</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Product Code:</strong> PS108</td>
<td></td>
</tr>
<tr>
<td><strong>Synonyms:</strong> N/A</td>
<td></td>
</tr>
<tr>
<td><strong>Recommended use of the chemical and restrictions on use</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Recommended Use:</strong> Concrete Floor Densifier and Hardener</td>
<td></td>
</tr>
<tr>
<td><strong>Uses advised against:</strong> No Data</td>
<td></td>
</tr>
</tbody>
</table>

**Details of the supplier of the Safety Data Sheet**

**Distributor Address**  
Concrete Sealer USA  
P.O. Box 1223  
Brookfield, WI 53008  

**Emergency telephone number**  
**Company Phone Number:** 888-583-2991  
**24 Hour Emergency Phone Number:** 800-424-9300

2 Hazard(s) Identification

**Classification**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Label elements**

**Emergency Overview**

**WARNING**

**Hazard statements**

Causes serious eye irritation  
May cause skin irritation  
May cause respiratory irritation

**Appearance** Transparent Liquid  
**Physical state** Liquid  
**Odor** Mild

**Precautionary Statements - Prevention**

Do not handle until all safety precautions have been read and understood.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Do not eat, drink or smoke when using this product.  
Avoid direct contact.
2 Hazard(s) Identification (Continued)

Precautionary Statements - Storage
Store in a well-ventilated place. Keep container tightly closed.
Keep from freezing.

Precautionary Statements - Disposal
Dispose of contents/container in accordance with local/regional/national regulations.

Hazard not otherwise classified (HNOC) N/A
Other Information N/A

3 Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-hazardous ingredient(s)</td>
<td></td>
<td>-</td>
<td>95-99</td>
<td>*</td>
</tr>
<tr>
<td>Sodium silicate</td>
<td>1344-09-8</td>
<td>10-15</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Potassium methylsiliconate</td>
<td>31795-24-1</td>
<td>1-5</td>
<td>*</td>
<td></td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4 First-Aid Measures

Description of first aid measures

General advice: Get medical attention immediately. Remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

Eye contact: IF IN EYES: If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

Skin contact: IF ON SKIN: Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.

Inhalation: IF INHALED: If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Seek immediate medical attention/advice.

Ingestion: IF SWALLOWED: If swallowed, do not induce vomiting. If swallowed, give victim several glasses of water. If vomiting does occur, give additional fluids.

Most important symptoms and effects, both acute and delayed

Symptoms: Eye, Skin, and Respiratory Irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically. For additional information, see Safety Data Sheet.

5 Fire-Fighting Measures

Suitable extinguishing media

This material does not present any unusual fire or explosion hazards. Material does not burn. Use extinguishing measures appropriate to the source of fire.

Unsuitable extinguishing media: Not Applicable.
5 Fire-Fighting Measures (Continued)

Specific hazards arising from the chemical
Not Applicable.

Explosion data
Sensitivity to Mechanical Impact: Not available.
Sensitivity to Static Discharge: Not sensitive.

Protective equipment and precautions for firefighters
Wear self-contained breathing apparatus and protective suit.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Personal precautions: Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapors. Keep unprotected persons away.

Environmental precautions
Environmental precautions: See Section 12 for additional ecological information.

Methods and material for containment and cleaning up
Methods for containment: Absorb with liquid-binding material (sand, diatomite, acid binders, and universal binders). Use neutralizing agent. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
Methods for cleaning up: Collect spillage.

7 Handling and Storage

Precautions for safe handling
Advice on safe handling: Ensure good ventilation/exhaustion at the workplace. Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas. Use, store and transfer only with acid resistant plastic containers. DO NOT USE aluminum or any other metal container.

Conditions for safe storage, including any incompatibilities
Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.
Incompatible materials: Strong acids.

8 Exposure Controls / Personal Protection

Control parameters
Exposure Guidelines: Not Available.

Appropriate engineering controls
Engineering Controls: General/Local Ventilation Recommended.

Individual protection measures, such as personal protective equipment
Eye/face protection: Wear safety glasses with side shields (or goggles).
8 Exposure Controls / Personal Protection (Continued)

Skin and body protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

9 Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Transparent Liquid</td>
<td>Odor</td>
</tr>
<tr>
<td>Color</td>
<td>Transparent Liquid</td>
<td>Odor threshold</td>
</tr>
<tr>
<td>pH</td>
<td>11.5-12</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not Applicable/ 32° F</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>212° F</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>Not Applicable</td>
<td>CC (closed cup)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Relevant</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
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<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
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<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>1.206</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble in water</td>
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<tr>
<td>Solubility in other solvents</td>
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<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
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<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
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<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
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<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
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<td></td>
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<tr>
<td>Dynamic viscosity</td>
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<td></td>
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<tr>
<td>Explosive properties</td>
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<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not Available</td>
<td></td>
</tr>
</tbody>
</table>
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9 Physical and Chemical Properties (Continued)

Other Information
Softening point Not Relevant
Molecular weight Not Available
VOC Content (%) Not Applicable
Density Not Available
Bulk density Not Available

10 Stability and Reactivity

Reactivity
Not Available.

Chemical stability
Stable.

Possibility of Hazardous Reactions
No data available.

Conditions to avoid
None known.

Incompatible materials
Strong acids.

Hazardous Decomposition Products
None known.

11 Toxicological Information

Information on likely routes of exposure

Product Information
Inhalation: Direct contact and vapor inhalation.
Eye contact: Direct contact.
Skin contact: Direct contact.
Ingestion: Direct contact.

Chemical Name Oral LD50 Dermal LD50 Inhalation LC50
Sodium silicate (1344-09-8) = 1153 mg/kg (Rat) > 4640 mg/kg (Rabbit) -

Information on toxicological effects
Symptoms: May cause drowsiness or dizziness if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation.
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Skin corrosion/irritation: Irritating to skin.
Serious eye damage/eye irritation: Irritating to eyes.
Irritation: Irritating to eyes, respiratory system and skin.
Sensitization: No data available.
11 Toxicological Information (Continued)

Germ cell mutagenicity: No data available.
Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity: Not Available.
STOT - single exposure: Not Available.
STOT - repeated exposure: Not Available.
Aspiration hazard: Not Available.
Numerical measures of toxicity - Product Information N/A

12 Ecological Information

No available data.

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium silicate (1344-09-8)</td>
<td>-</td>
<td>301 - 478: 96 h Lepomis macrochirus mg/L LC50 3185: 96 h Brachydanio rerio mg/L LC50 semi-static</td>
<td>216: 96 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

Persistence and degradability
No data available.

Bioaccumulation
No data available.

Other adverse effects
No data available.

13 Disposal Considerations

Waste treatment methods
Disposal of wastes: Must not be disposed of together with household garbage. Do not allow product to reach waterways or storm sewers. Disposal must be made in accordance with local, state and federal regulations.
Contaminated packaging: Dispose of in accordance with federal, state and local regulations.

14 Transport Information

DOT: Not regulated
Marine pollutant: No available data
IATA: Not regulated
IMDG: Not regulated
## Regulatory Information

### International Inventories
- **TSCA**: Does not comply
- **DSL/NDSL**: Does not comply
- **EINECS/ELINCS**: Does not comply
- **ENCS**: Does not comply
- **IECSC**: Does not comply
- **KECL**: Does not comply
- **PICCS**: Does not comply
- **AICS**: Does not comply

**Legend**
- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- **AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations
#### SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories
- **Acute health hazard**: Yes
- **Chronic health hazard**: No
- **Fire hazard**: No
- **Sudden release of pressure hazard**: No
- **Reactive hazard**: No

### CERCLA
Does not apply.

### US State Regulations
#### California Proposition 65
This product contains chemicals known to the state of California to cause birth defects or other reproductive harm.

#### U.S. State Right-to-Know Regulations
N/A

#### U.S. EPA Label Information
N/A
### PS108 Sodium Silicate Densifying WB Penetrating Sealer w/ Siliconate Repellent

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Health hazards</td>
<td>Flammability</td>
<td>Physical hazards</td>
<td>Personal protection</td>
</tr>
</tbody>
</table>

**Issue Date:** 22-May-2015  
**Revision Date:** 27-May-2015  
**Revision Note**  
No data available.

**Disclaimer**  
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