

PS107 Sodium Silicate Densifier WB Penetrating Sealer

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1 Identification

Product identifier

Product Name: PS107 Sodium Silicate Densifier WB Penetrating Sealer

Other means of identification

Product Code: PS107

Synonyms: N/A

Recommended use of the chemical and restrictions on use

Recommended Use: Concrete Floor Densifier and Hardener

Uses advised against: No Data

Details of the supplier of the Safety Data Sheet

Distributor Address

Concrete Sealers USA

P.O. Box 5464

De Pere, WI 54115

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.

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.

Hazards not otherwise classified (HNOC) N/A

Other Information N/A



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3 Composition / Information on Ingredients

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
Non-hazardous ingredient(s)	-	87-93	*
Sodiumsilicate	1344-09-8	9-12	*

*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.

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.

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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).

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.

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9 Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild
Appearance	Transparent Liquid	Odor threshold	No data available
Color	Transparent Liquid		

Property	Values	Remarks • Method
pH	11.5-12	
Melting point / freezing point	Not Applicable/ 32° F	
Boiling point / boiling range	212° F	
Flash point	Not Applicable	CC (closed cup)
Evaporation rate	Not Available	
Flammability (solid, gas)	Not Relevant	
Flammability Limit in Air		
Upper flammability limit:	Not Available	
Lower flammability limit:	Not Available	
Vapor pressure	Not Available	
Vapor density	Not Available	
Relative density	1.10	
Water solubility	Soluble in water	
Solubility in other solvents	Not Available	
Partition coefficient	Not Available	
Autoignition temperature	Not Available	
Decomposition temperature	Not Available	
Kinematic viscosity	Not Available	
Dynamic viscosity	Not Available	
Explosive properties	Not Available	
Oxidizing properties	Not Available	

Other Information

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

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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.

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

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12 Ecological Information

No available data.

Ecotoxicity

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

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

15 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

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15 Regulatory Information (Continued)

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

CWA (Clean Water Act)

Does not apply.

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

16 Other Information

NFPA	Health hazards 1	Flammability 0	Instability 0	Physical and chemical properties -
HMIS	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection -

Issue Date: 22-May-2015

Revision Date: 30-November-2024

Revision Note

No data available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.