



# SAFETY DATA SHEET

## ConBlock SH

### Section 1. Identification

**GHS product identifier** : ConBlock SH  
**Other means of identification** : Clear Silicate Sealer

#### Relevant identified uses of the substance or mixture and uses advised against

Not available

**Supplier's details** : Concrete Sealants, Inc.  
9325 St. Rte. 201  
Tipp City, Ohio 45371  
Tel.: 937-845-8776  
Toll-free: 800-332-7325  
Fax: 937-845-3587  
Email: hello@conseal.com  
Website URL: www.conseal.com

**Emergency telephone number (with hours of operation)** : 937-845-8776 or 800-332-7325  
(6am to 5pm EST)

### Section 2. Hazards Identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : SKIN CORROSION/IRRITATION - Category - 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category -2

**Hazard pictogram**



#### GHS label elements

**Signal word** : WARNING  
**Hazard statements** : Causes skin irritation; Causes serious eye irritation

#### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Wear eye/face protection. Wear protective gloves. Wash hands thoroughly after handling.

**Response** : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. 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.

**Storage** : Store at temperatures above 0°C, and below 50°C.

**Disposal** : Dispose of contents in accordance with local/regional/national/international regulations.

## Section 2. Hazards Identification

**Hazards not otherwise classified** : None known

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Not available  
**CAS number/other identifiers**  
**CAS number** : Not applicable  
**Product code** : Not available

| Ingredient name                  | %    | CAS number  |
|----------------------------------|------|-------------|
| Water soluble reactive silicates | 5-20 | Proprietary |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

**Eye contact** : 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 occurs.

**Inhalation** : 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 adverse health effects persist or are severe. 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. Get medical attention. Wash clothing before reuse. Clean shoes before reuse.

**Ingestion** : Wash mouth out with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the person is conscious, give small quantities of water to drink. Stop if the person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collars, ties, belts or waistbands.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.  
**Inhalation** : Exposure to mist or spray may cause coughing, sneezing, or other symptoms of the upper respiratory tract irritation.  
**Skin contact** : Can cause irritation of exposed skin.

**Ingestion** : Can cause irritation to mucous membranes of the digestive tract.

## Section 4. First aid measures

### Over-exposure

#### signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness

**Ingestion** : No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : None known

**Protection of first-aiders** : None known

## Section 5. Firefighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : No specific data

**Special protective actions for firefighters** : No special measures are required.

**Special protective equipment for firefighters** : Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. 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. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**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. See also the information in "For non-emergency personnel."

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Section 6. Accidental release measures

### Methods and materials for contaminant and cleaning up

- Spill** : **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-soluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- 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 ). 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 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers and retain product residue can be hazardous. Do not reuse container.
- Storage** : Do not store in aluminum containers. Store above 0°C and below 50°C. Do not allow product to freeze. Provide an adequate bund wall. Store away from direct sunlight in a cool and well-ventilated area, away from incompatible materials (See Section 10).

## Section 8. Exposure Controls / Personal Protection

### Control parameters

#### Occupational exposure limits

| Ingredient name           | Exposure limits  |
|---------------------------|--|
| Silicic acid, sodium salt | No occupational exposure limit assigned<br>An exposure of 2 mg/m <sup>3</sup> (15 min TWA) is recommended by analogy with sodium hydroxide (UK EH40) |

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Prevent release to the environment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. The primary hazard of ConBlock SH is the alkalinity. Avoid release to the environment.
- 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.

## Section 8. Exposure Controls / Personal Protection

- 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. Recommended splash goggles.
- Skin protection**
- 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.
- Body protection** : Standard skin covering work clothing. Standard work shoes. Wash and dry soiled clothing before reuse. Shower and eyewash facilities would be accessible.
- Other skin protection** :
- Respiratory protection** : If a risk assessment indicates this is necessary, use a properly fitted, air purifying or airfed respirator complying with an approved standard. 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 9. Physical and Chemical Properties

### Appearance

- Physical state** : Liquid
- Color** : Clear
- Odor** :
- Odor threshold** : Not available
- pH** : 11.40 – 11.55
- Melting point** : Not available
- Boiling point** : @ 760mm Hg: 214-216°F
- Flash point** : Not available
- Burning time** : Not available
- Burning rate** : Not available
- Evaporation rate** : Not available
- Flammability (solid, gas)** : Not available
- Lower and upper explosive (flammable) limits** : Not available
- Vapor pressure** : Not available
- Vapor density** : Not available
- Relative density** : 1.07 – 1.09
- Solubility** : Not available
- Solubility in water** : 100%
- Partition coefficient n-octanol/water** : Not available
- Auto-ignition temperature** : Not available
- Decomposition temperature** : Not available
- SADT** : Not available
- Viscosity** : Not available



# SAFETY DATA SHEET

## ConBlock SH

### Section 10. Stability and Reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : This material is alkaline and gels when mixed with acids.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11. Toxicological Information

#### Information on toxicological effects

##### Acute toxicity

| Product/ingredient name   | Result     | Species | Dose                        | Exposure   |
|---------------------------|------------|---------|-----------------------------|------------|
| Silicic acid, sodium salt | Irritation | Rat     | LD50 3400 mg/kg             | Ingestion  |
| Silicic acid, sodium salt | Irritant   | Rat     | LC50 >2.06 g/m <sup>3</sup> | Inhalation |

##### Irritation/Corrosion

| Product/ingredient name   | Result     | Species | Score | Exposure                | Observation   |
|---------------------------|------------|---------|-------|-------------------------|---------------|
| Silicic acid, sodium salt | Irritation | Rat     |       | Dermal LD50 >5000 mg/kg | Skin irritant |

##### Sensitization

Not sensitizing

##### Mutagenicity

No evidence of genotoxicity. In vitro/in vivo negative

##### Carcinogenicity

No structural alerts

##### Reproductive toxicity

No evidence of reproductive toxicity or developmental toxicity

##### Teratogenicity

There is no data available

##### Specific target organ toxicity (single exposure)

There is no data available

##### Specific target organ toxicity (repeated exposure)

There is no data available

##### Aspiration hazard

There is no data available

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation.

##### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.

**Skin contact** : Causes skin irritation  
**Ingestion** : Irritating to mouth

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness

**Ingestion** : Material will cause irritation.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

**Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

**Potential chronic health effects**

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

**Section 12. Ecological Information**

**Toxicity**

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|--------|---------|----------|
|                         |        |         |          |

**Persistence and degradability**

There is no data available

**Bioaccumulative potential**

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-----|-----------|
|                         |        |     |           |

**Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available  
**Other adverse effects** : No known significant effects or critical hazards.

**Section 13. Disposal Considerations**

### Section 13. Disposal Considerations

**Disposal methods** : This ready to use formulation is not subject to restrictive or special handling defined under environmental regulations. For concentrate clean up- action should be carefully planned and executed. Shipment, storage, and or disposal of waste materials may be regulated and action to spilled material s must meet all applicable rules. READY TO USE FORULATIONS CAN BE DILUTED AND WASHED INTO DRAINS WITH PLENTY OF WATER WHEN NOT OF SIGNIFICANT AMOUNTS. IF OVER 109 GALLONS, RETAIN THIS PRODUCTFOR PROPER DISPOSITIONING.

### Section 14. Transport Information

|                                   | DOT Classification | IMDG          | IATA          |
|-----------------------------------|--------------------|---------------|---------------|
| <b>UN number</b>                  | Not regulated      | Not regulated | Not regulated |
| <b>UN proper shipping name</b>    | -                  | -             | -             |
| <b>Transport hazard class(es)</b> | -                  | -             | -             |
| <b>Packing group</b>              | -                  | -             | -             |
| <b>Environmental hazards</b>      | No.                | No.           | No.           |
| <b>Additional information</b>     | -                  | -             | -             |

**Special precautions for user** : **Transport within user’s premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available

### Section 15. Regulatory Information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempt.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304** : Not applicable

**SARA 311/312**

**Classification** : Immediate (acute) health hazard



## Section 15. Regulatory Information

### SARA 313

**Classification** : Not applicable

### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

### California Prop. 65

: None of the components are listed.

### International regulations

**International lists** : **Australia inventory (AICS)**: All components are listed or exempt.  
**China inventory (IECSC)**: All components are listed or exempt.  
**Japan inventory**: Not determined  
**Korea inventory**: All components are listed or exempt.  
**Malaysia Inventory (EHS Register)**: Not determined  
**New Zealand Inventory of Chemicals (NZIoC)**: All components are listed or exempt.  
**Philippines inventory (PICCS)**: All components are listed or exempt.  
**Taiwan inventory (CSNN)**: Not determined

**Chemical Weapons** : Not listed

**Convention List Schedule  
I Chemicals**

**Chemical Weapons** : Not listed

**Convention List Schedule  
II Chemicals**

**Chemical Weapons** : Not listed

**Convention List Schedule  
III Chemicals**

## Section 16. Other Information

### History

**Date of issue mm/dd/yyyy** : 06/01/2015

**Version** : 1

**Revised sections** : Not applicable

**Prepared by** : Concrete Sealant Inc.

**Key to abbreviations** : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships  
1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.