



# SAFETY DATA SHEET

## ConBlock WR

### Section 1. Identification

**GHS product identifier** : ConBlock WR  
**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 - 1  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category -1

**Hazard pictogram**

#### GHS label elements

**Signal word** : DANGER

**Hazard statements** : Causes severe burns and eye damage.

#### 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. Use only outdoors in a well ventilated area. Do not breathe spray.

**Response** : IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

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

**Disposal** : Dispose of contents/container to waste disposal in accordance with local, regional, national, and international regulations.

**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
Potassium methylsiliconate	2-10	31795-24-1

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 15 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. Use an emergency shower.  
**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 eye damage.  
**Inhalation** : Exposure to mist or spray may cause coughing, sneezing, or other symptoms of the upper respiratory tract irritation.  
**Skin contact** : Causes skin burns.  
**Ingestion** : Can cause irritation to mucous membranes of the digestive tract.

#### Over-exposure signs/symptoms

**Eye contact** : Avoid contact with the eyes; contact could cause severe redness, burns and possible permanent damage.

## Section 4. First aid measures

- Inhalation** : Inhaling vapors of this product may cause irritation and/or pain to the nose and throat.
- Skin contact** : Contact may cause irritation to the skin. Burns can occur upon short periods of contact.
- Ingestion** : Swallowing substantial amounts may cause some irritation or injury. Can cause burns to mouth, throat and digestive system if swallowed.

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

- Notes to physician** : Allow cortisone spray inhalation at the first possible opportunity. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**

**Protection of first-aiders**

## 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).

### **Methods and materials for contaminant and cleaning up**

## Section 6. Accidental release measures

- Spill** : **Small spill:** Stop leak if without risk. Move containers from spill area. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulators.
- 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. Dilute with plenty of water. 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

### Precautions for safe handling

- Protective measures** : 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 and be hazardous. Do not reuse container. Avoid contact with acids. Avoid formation of aerosols.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and faces before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Avoid contact with acids. Do not store in aluminum containers as flammable hydrogen gas can be generated. Do not use aluminum, fittings or transfer lines. Contact with acids will cause gelling of the silicate component and also may produce some heat. CLEAN up equipment with soap and water as soon as possible after use. CAUTION: leaving residue in spraying equipment may damage equipment.

## Section 8. Exposure Controls / Personal Protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Silicic acid, sodium salt	No occupational exposure limit assigned 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.
- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fumes scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Environmental exposure controls**

### 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** : 11.50 – 12.50  
**Melting point** : Not available  
**Boiling point** : @ 760mm Hg: 214-216<sup>o</sup>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** : 1.10 – 1.15  
**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



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## ConBlock WR

### 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** : Reacts with acids. Reaction causes formation of heat.
- 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
Potassium methylsiliconate	LD <sub>50</sub> : >2000 mg/kg	Rat		Oral

##### Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
Silicic acid, sodium salt	Irritation	Rat	Dermal LD50 >5000 mg/kg
Potassium methylsiliconate	Severe burns	Rabbit	Conclusion by analogy

##### Serious eye damage / Eye irritation

Product/ingredient name	Result	Species	Exposure
Potassium methylsiliconate	Severe burns	Rabbit	Conclusion by analogy

##### Sensitization

Not sensitizing

##### Mutagenicity

There is no data available.

##### Carcinogenicity

No structural alerts

##### Reproductive toxicity

Assessment: Based on hydrolysis characteristics of the substance the assessment is based on the hydrolysis products. For the silanols/siloxanols a conclusion was made by analogy (read-across) to structurally similar alkoxy silanes. On the basis of the available data no reproductive hazards are expected.

##### Product details:

Result / effect (Examination of fertility disruption)	Species / Test system	Source
NOAEL: >= 1000 mg/kg	rat	Alkoxy silanes OECD 422
NOAEL (developmental) : >=1000mg/kg	rat	Alkoxy silanes OECD 422

## Section 11. Toxicological Information

### Specific target organ toxicity (repeated exposure)

Assessment: Based on hydrolysis characteristics of the substance the assessment is based on the hydrolysis products. For the silanols/siloxanols a conclusion was made by analogy (read-across) to structurally similar alkoxy silanes. On the basis of the available data no reproductive hazards are expected.

#### Product details:

Results / Effects	Species/Test systems	Source
NOAEC: 0.56 mg/l LOAEC: 2.2 mg/l NOAEL=NOAEC (systemic effects)	Subchronic study rat (both sexes) by inhalation (gas/vapor)90 d; 5 d/w 6 hours/day	Test report (read-across substance)OECD 413
NOAEL: 50 mg/kg LOAEL: 250 mg/kg NOAEL=NOAEL (systemic effects)	Subacute study rat (both sexes) oral (gavage) 28 d; 7 d/w	Test report (read-across substance) OECD 422

### Aspiration hazard

**Assessment:** In case an aspiration hazard is based on ingredients, this can be seen from the classification and labeling of the whole product.

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

### Potential acute health effects

**Eye contact** : Causes eye damage  
**Inhalation** : Causes throat irritation.  
**Skin contact** : Causes skin burns.  
**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** : Causes throat irritation.  
**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness  
**Ingestion** : Irritating to mouth.

### 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
LC50:> 500 mg/l / Alkoxy silanes OECD 203	Semistatic	zebra fish (Danio rerio)	(96 h)
EC50:> 100 mg/l (nominal) OECD 202	static	Daphnia magna	(48 h)
EC50:> 120 mg/l (nominal) Alkoxy silanes OECD 201	static	Pseudokirchneriella subcapitata	(72 h)
EC50:> 100 mg/l OECD 209	not available	not available	-

### Persistence and degradability

Not readily biodegradable CO2 formation Alkoxy silanes OECD 310

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	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

**Disposal methods** : **RCRA Waste Classification:** D002 (Corrosive) This classification applies only to the material as it was originally produced. Dispose of according to regulations in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations. Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used.

## Section 14. Transport Information

	DOT Classification	IMDG	IATA
UN number	3267	3267	3267
UN proper shipping name	Corrosive liquid, basic, organic, n.o.s.	- Corrosive liquid, basic, organic, n.o.s.	-- Corrosive liquid, basic, organic, n.o.s.
Transport hazard class(es)	-8	-8	-8
Packing group	-II	-II	-II
Environmental hazards	No.	No.	No.
Additional information	-	-	-

**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.



## Section 14. Transport Information

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) : 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

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
No products were found						

SARA 304 RQ : Not applicable

### SARA 311/312

Classification : Immediate (acute) health hazard

### 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): Not determined.  
 China inventory (IECSC): Not determined.  
 Japan inventory: Not determined.  
 Korea inventory: Not determined.  
 Malaysia Inventory (EHS Register): Not determined.  
 New Zealand Inventory of Chemicals (NZIoC): Not determined.  
 Philippines inventory (PICCS): Not determined.  
 Taiwan inventory (CSNN): Not determined.

## Section 15. Regulatory Information

**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** : 08/01/2015

**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.