



# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

**Product Identifier**

**Product Form:** Mixture

**Product Name:** ChemCoatz™

**Specific End Use:** Concrete Hardener. For professional use only.

**Chemical Name:** Aqueous Silicate Solution

**Name, Address, and Telephone of the Responsible Party Company**

Concord Sealers Pty Ltd

60 Centenary Place,

Logan Village, Qld 4207

(T) 07 5547 0052

[www.concordsealers.com.au](http://www.concordsealers.com.au)

## SECTION 2 – HAZARDS CLASSIFICATION/ IDENTIFICATION

INGREDIENTS: 1	OSHA PEL:	ACGIH TLV:	CAS:	%wt:
Sodium Silicate	Not Established	Not Established	1344-09-8	<30

**Classification of the Substance or Mixture**

**Physical hazards:** Not Classified

**Health hazards:** Skin Corr. 1C H314  
Eye Dam.1 H318

**Environmental hazards:** Not Classified

**Label Elements, including precautionary statements**

**Hazard Pictograms (GHS) :**



Corrosion

**Signal Word (GHS):** Danger

**Hazard Statements(GHS):** H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage

**Precautionary Statements (GHS):** P260 - Do not breathe mist, spray, vapors.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor.  
P321 - Specific treatment (see section 4 on this SDS).  
P363 - Wash contaminated clothing before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national territorial, provincial, and international regulations.

## SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

**Substance** Not Applicable

**Mixture**

Name	Product Identifier	% *	GHS Ingredient Classification
Sodium silicate	(CAS-No.) 1344-09-8	7 - 13	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT SE 3, H335

Full text of H-phrases: see section 16 \*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

# CONCORD SEALERS AQUACOATZ

## Safety Data Sheet

### SECTION 4 – FIRST AID MEASURES

#### Description of First-aid Measures

##### Description of necessary first aid measures

<b>General</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Get medical attention immediately.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.
<b>Personal protection for first-aid responders</b>	Ensure that medical personnel are aware of the material(s) involved, and Take precautions to protect themselves.
<b>Symptoms caused by exposure</b>	Irritation of eyes and mucous membranes. Permanent eye damage including blindness could result.
<b>Medical attention and special treatment</b>	Provide general supportive measures and treat symptomatically.

##### Most Important Symptoms and Effects Both Acute and Delayed

<b>General</b> .....	Causes severe skin burns and eye damage.
<b>Inhalation</b> .....	May be corrosive to the respiratory tract.
<b>Skin Contact</b> .....	Causes severe irritation which will progress to chemical burns.
<b>Eye Contact</b> .....	Causes permanent damage to the cornea, iris, or conjunctiva.
<b>Ingestion</b> .....	May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
<b>Chronic Symptoms</b> .....	None expected under normal conditions of use.

### SECTION 5 – FIRE-FIGHTING MEASURES

#### Extinguishing Media

**Suitable Extinguishing Media:** Water spray, foam, dry powder or carbon dioxide ( $CO_2$ ) or alcohol resistant foam.

**Unsuitable Extinguishing Media:** Do not use water jet as an extinguisher, as this will spread the fire

#### Special Hazards Arising from the Chemical

**Fire Hazard:** Not considered flammable but may burn at high temperature.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction. Contact with metals may evolve flammable hydrogen gas

#### Special protective equipment and precautions for fire fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

#### Fire fighting equipment/instructions

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO,  $CO_2$ ). Oxides of silicone. Sodium oxides.

#### Hazchem code

Not available.

#### General Fire Hazards

No unusual fire or explosion hazards noted.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

##### For Non-Emergency Personnel

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

##### For Emergency Personnel

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

# CONCORD SEALERS AQUACOATZ

## Safety Data Sheet

### Environmental Precautions

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground.

Environmental manager must be informed of all major releases.

### Methods and Materials for Containment and Cleaning Up

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

### Other issues relating to spills and releases

Clean up in accordance with all applicable regulations.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

**Additional Hazards When Processed:** May release corrosive vapors.

**Precautions for Safe Handling:** Do not breathe mist, vapors, or spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not get in eyes, on skin, or on clothing. Handle empty containers with care because they may still present a hazard.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container. Store locked up/in a secure area.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Metals.

## SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Control Parameters

There are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency

### Occupational exposure limits

No exposure limits noted for ingredient(s).

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### Individual protection measures

#### Personal protective equipment (PPE)



**Eye/face protection** Wear safety glasses with side shields (or goggles). Face-shield.

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

- Appearance ..... Clear liquid
- Physical state ..... Liquid
- Form ..... Liquid
- Color ..... Clear
- Odor ..... Odorless.
- Odor threshold ..... Not available.
- pH ..... 11.3

# CONCORD SEALERS AQUACOATZ

## Safety Data Sheet

- Melting point/freezing point ..... Not applicable.
- Initial boiling point and boiling range ..... Not applicable.
- Flash point ..... Non applicable.
- Evaporation rate..... Not applicable.
- Flammability (solid, gas) ..... Not applicable.
- Upper/lower flammability or explosive limits ..... Not available.
- Flammability limit - lower (%)..... Not available.
- Flammability limit - upper (%) ..... Not available.
- Explosive limit - lower (%) ..... Not available.
- Explosive limit - upper (%) ..... Not available.
- Vapor pressure ..... Not applicable.
- Vapor density..... Not applicable.
- Relative density ..... 1.39
- Solubility(ies)..... Water: Soluble
- Solubility (water) Partition coefficient (n-octanol/water) ..... Not available.
- Auto-ignition temperature Decomposition temperature Viscosity ..... Not available.

## SECTION 10 – STABILITY AND REACTIVITY

- **Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.
- **Chemical Stability:** Material is stable under normal conditions.
- **Possibility of Hazardous Reactions:** Will not occur.
- **Conditions to Avoid:** Heat, flames and sparks. Contact with incompatible materials.
- **Incompatible Materials:** Strong acids.
- **Hazardous Decomposition Products:** Silicon oxides.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Causes severe skin burns.

**pH:** 11.3

**Eye Damage/Irritation:** Causes serious eye damage.

**pH:** 11.3

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May be corrosive to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** Causes severe irritation which will progress to chemical burns.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

**Chronic Symptoms:** None expected under normal conditions of use.

### Information on Toxicological Effects – Ingredient(s)

**LD50 and LD50 Data:**

**Sodium Silicate (1344-09-8)**

LD50 Oral Rat

1960mg/kg

## SECTION 12 – ECOLOGICAL INFORMATION

### Toxicity

**Sodium Silicate (1344-09-8)**

**LD50 Fish 1** 301 – 478 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)

**LD50 Fish 2** 3185 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])

### Persistence and Degradability

**ChemHard™**

**Persistence and Degradability** Not established.

### Bioaccumulative Potential

**ChemHard™**

**Bioaccumulative Potential** Not Established

# CONCORD SEALERS AQUACOATZ

## Safety Data Sheet

Sodium Silicate (1344-09-8)

BCF Fish 1

(no bioaccumulation expected)

**Mobility in Soil**.....Not available

**Other Adverse Effects**

**Other information:** Avoid release to the environment.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment.

## SECTION 14 – TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with	Proper Shipping Name	Hazard Class	Identification Number	Label Codes	Packing Group	ERG Number	EmS-No. (Fire)	EmS-No. (Fire)	ERG Code (IATA)
DOT	CORROSIVE LIQUIDS, N.O.S.(Silicic acid, sodium salt)	8	UN1760	8	III	154			
IMDG	CORROSIVE LIQUID, N.O.S. (Silicic acid, sodium salt)	8	UN1760	8	III		F-A	S-B	
IATA	CORROSIVE LIQUID, N.O.S. (Silicic acid, sodium salt)	8	UN1760	8	III				8L
TDG	CORROSIVE LIQUID, N.O.S. (Silicic acid, sodium salt)	8	UN1760	8	III				

## SECTION 15 – REGULATORY INFORMATION

**Safety, health and environmental regulations**  
**National regulations**

**Australia Medicines & Poisons Appendix A**

**Australia Medicines & Poisons Appendix B**

**Australia Medicines & Poisons Appendix C**

Sodium silicate (CAS 1344-09-8)

**Australia Medicines & Poisons Appendix D**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix E**

Sodium silicate (CAS 1344-09-8)

This Safety Data Sheet was prepared in accordance with the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals.

Poisons schedule number not allocated.

Poisons schedule number not allocated.

For domestic use.

For advice, contact a Poisons information Centre (Phone eg Australia 131 - 126; New Zealand 03 - 4747 - 000) or a doctor (at once)., If swallowed, do NOT induce vomiting., If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes., If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

# CONCORD SEALERS AQUACOATZ

## Safety Data Sheet

---

### **Australia Medicines & Poisons Appendix F**

Sodium silicate (CAS 1344-09-8)

applies to all preparations in any concentration Strongly alkaline.  
Avoid contact with eyes., Avoid contact with skin.

### **Australia Medicines & Poisons Appendix G**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Appendix H**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Appendix I**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Appendix J**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Appendix K**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Schedule 2**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Schedule 3**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Schedule 4**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Schedule 5**

Sodium silicate (CAS 1344-09-8)

applies to all preparations in any concentration Exception may  
apply, see the regulation for relevance.

### **Australia Medicines & Poisons Schedule 6**

Sodium silicate (CAS 1344-09-8)

for non-domestic use. Exception may apply, see the regulation for  
relevance.

### **Australia Medicines & Poisons Schedule 7**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Schedule 8**

Poisons schedule number not allocated.

### **Australia Medicines & Poisons Schedule 9**

Poisons schedule number not allocated.

### **High Volume Industrial Chemicals (HVIC)**

Sodium silicate (CAS 1344-09-8)

10000 - 99999 TONNES See the regulation for additional  
information.

### **Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)**

Not listed.

### **National Pollutant Inventory (NPI) substance reporting list**

Not listed.

### **Prohibited Carcinogenic Substances**

Not regulated.

### **Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)**

Not listed.

### **Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)**

Not listed.

### **Restricted Carcinogenic Substances**

Not regulated.

### **International regulations Stockholm Convention**

Not applicable.

### **Rotterdam Convention**

Not applicable.

### **Kyoto protocol**

# CONCORD SEALERS AQUACOATZ

## Safety Data Sheet

Not applicable.

### Montreal Protocol

Not applicable.

### Basel Convention

Not applicable.

### International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Phillippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Porto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16 – OTHER INFORMATION

<b>Issue Date</b>	18/11/2025
<b>Revision Date</b>	20/11/2030
<b>Version</b>	04
<b>Other Information</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

### GHS Full Text Phrases:

Acute Tox. 4	Acute toxicity (oral) Category 4
Eye Dam.1	Serious eye damage/eye irritation Category 1
Met. Corr.1	Corrosive to metals Category 1

## SECTION 17 – DISCLAIMER

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since CONCORD SEALERS cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact CONCORD SEALERS at the contact details on page 1. CONCORD SEALERS responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request. CONCORD SEALERS however makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof and assumes no responsibility for injury to buyer or third persons or for any damage to property, buyer assumes all risks