



SAFETY DATA SHEET

Rapid Hard

Hazardous Substance, NON-Dangerous Goods

Section 1: Identification

Product Identifier Concrete densifier
Trade name: **Rapid Hard**

Recommended Use Densifying the surface of concrete to provide for increased resistance to penetration of stains and water. Densifying during Mechanically Polished Concrete process.

Details of supplier of the SDS Concrete Chemical Company
2/58 Pritchard Rd
Virginia Qld 4014
Contact Person
Scott Swift, Managing Director

24/7 Emergency
1300 792 207

Email
sales@concretechemical.co

Section 2: Hazard Identification

2.1 Classification of the substance or mixture Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail" and the "New Zealand NZ 5433: Transport of Dangerous Goods on Land".
Acute Toxicity – Oral: Category 5
Contact Hazard – Eyes: Category 2A
Contact Hazard – Skin: Category 2

2.2 Signal Word WARNING

2.3 Poison Schedule Scheduled Poison S5



2.4 Hazard Statements

H303 May be harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary Statement - Prevention

P264 Wash arms, hands and face after handling
P270 Do not eat, drink or smoke when using this product
P280 Wear gloves and eye protection

Precautionary Statement - Response

P301+P312 If swallowed: Call a Poison Centre or doctor if you feel unwell
P303+P361+P353 If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, continue rinsing
P332+P313 If skin irritation occurs: Get medical attention

Precautionary Statement - Storage

P405 Store locked up

Precautionary Statement - General

P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P103 Read label before use

Section 3: Composition of Substance or Mixture

Chemical Name	CAS Number	Percentage
Alkaline Salts	-	30-60%
Proprietary Ingredients	-	Less than 20%
Ingredients not considered harmful	-	
Water	-	Balance to 100%

Section 4: First Aid Measures

4.1 General First Aid Information

Eye Contact

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. May cause irritation and redness. If symptoms persist, a sensible precaution is to seek medical attention.

Inhalation

Not considered a hazard. If spraying, material is considered non-toxic and poses no safety or health threat but may cause irritation to nose and throat.

Skin Contact

If on skin: wash with plenty of soap and running water. If irritation persists, seek medical advice.

Ingestion

Discomfort in stomach and intestinal tract may occur. Immediately give milk or water. Do not induce vomiting. First aid is generally not required. Call a doctor if necessary.

Advice to Doctor

Treat symptomatically. **Positions Information Centre Australia 131 126.**

4.2 Symptoms Caused by Exposure

None known.

Section 5: Fire-Fighting Measures

Not flammable.

If involved in a fire there is no restriction on types of fire extinguishers used in the immediate area.

There is no explosion risk.

Hazchem Code Not applicable

Section 6: Accidental Release Measures**6.1 Personal Precautions, Protective Equipment (PPE) and Emergency Procedures**

Avoid contact with skin and eyes. Protective gloves and eye protection are advised for all chemicals even when classified as non-hazardous.

6.2 Clean-up and Containment Methods

Minor hazard. Collect liquid with absorbent or sand. Place in sealed bin. Dispose of waste in accordance with local and state regulations. Generally suitable for landfill if absorbed spillage is in sealed containers.

Section 7: Handling and Storage**7.1 Precautions for Safe Handling**

Maintain high standards of hygiene. As with all chemicals wash hands after use. Avoid contact with eyes, skin and mouth.

7.2 Precautions for Storage

Store in original containers. Do not allow to freeze. Store away from foodstuffs.

Section 8: Exposure Controls / Personal Protection**8.1 Occupational Exposure Limit Values.**

No exposure standards have been established for this material by Safework Australia. However, with all chemicals, exposure should be kept to the lowest possible levels.

Engineering Controls:	No specific controls are needed. Normal room or worksite ventilation is adequate.
Respiratory Protection:	Normal room ventilation is adequate.
Skin Protection:	Wear protective chemical resistant gloves.
Eye Protection:	Wear safety glasses or goggles.

8.2 Personal Protective Equipment

Wear protective gloves and safety glasses or goggles eye protection. Normal room ventilation is adequate. If spraying, use a gauze dust mask to capture any airborne mist particles.

Section 9: Physical and Chemical Properties

Appearance	Transparent liquid
Odour	Odourless
Odour Threshold	Not applicable
pH	Approximately 7
Initial Boiling Point	Commences 100°C
Freezing Point	0°C
Flash Point	Not applicable
Flammability	Not flammable
Explosive Limits	Not applicable
Vapour Pressure	Per water
Specific Gravity	1.20
Solubility in Water	100% Soluble
Explosive Properties	Will not explode
Oxidising Properties	Data not available
Viscosity	Free flowing liquid
Auto Ignition Temperature	Not capable of auto ignition
Decomposition Temperature	Will not decompose

Section 10: Stability and Reactivity

- 10.1 Reactivity and Chemical Stability**
Stable under normal conditions of use.
- 10.2 Possibility of Hazardous Reaction**
Hazardous polymerization will not occur.
- 10.3 Conditions to Avoid**
Stable under normal conditions.
- 10.4 Hazardous decomposition Products**
Will not occur.

Section 11: Toxicological Information

Acute Toxicity – Oral Exposure

LD50 (rat): 5000 mg/kg (as 100%)

The acute oral toxicity of this product has not been tested. When Sodium Silicates were tested on a 100% solids basis, their single dose acute oral LD50 in rats ranged from 1152 mg/kg (above) to 5700 mg/kg. The acute oral lethality resulted from nonspecific causes. These products contain 30-60% Sodium Silicate thus each overall product has an Acute Oral Toxicity LD50 (rat): >3000 mg/kg.

Acute Toxicity – Dermal Exposure

This material is not thought to produce adverse health effects or skin irritation from contact. Nevertheless, good hygiene practice requires skin to be protected from any chemical contact.

Acute Toxicity – Inhalation Exposure

Not thought to produce adverse health effects from inhalation. Nevertheless, good hygiene practice requires avoiding breathing any chemical product. Avoid spray mist if spraying – use dust / vapour mask.

Chronic Exposure

Long term exposure to the product is not thought to produce any chronic health effects. Nevertheless, exposure by all routes should be minimized as a matter of course.

Skin Contact and Irritation

Not thought to produce adverse health effects from skin contact.

Serious Eye Damage and Irritation

Not thought to produce adverse health effects from eye contact. Refer to first aid procedures in section 4 above.

Cell Mutagenicity

Not considered mutagenic.

Carcinogenicity

Not considered to be carcinogenic.

Reproductive Toxicity

Not applicable

Target Organ Toxicity from Single Exposure

Not applicable

Target Organ Toxicity from Repeated Exposure

Not applicable

Aspiration hazard

Not applicable

Additional Toxicity Information

Data not available

Section 12: Ecological Information

- 12.1 Ecotoxicity**
Not classified as toxic to aquatic life with long lasting effects. However, avoid release to the environment. Dispose of contents in accordance with local, state and federal regulations.
- 12.2 Persistence and Degradability**
Data not available.
- 12.3 Bioaccumulative Potential**
Data not available.
- 12.4 Mobility in Soil**
Data not available
- 12.5 Other adverse Ecological Effects**
Data not available

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

Do not allow this or any chemical into drains or watercourses. If soaked up by absorbent, may be disposed of as solid waste. Wastes should be disposed of in accordance with any applicable regulations. Absorbed spillages are suitable for landfill disposal.

Section 14: Transportation Information

14.1 UN Number

None

14.2 Proper Shipping Name or Technical Name

Water-based liquid

14.3 Transport Hazard DG Class

None (ADG7)

14.4 Packing Group

Not regulated

14.5 Special Provisions

No data available

14.6 Label

Warning

14.7 Hazchem code

None

14.8 EPG Number

None

Section 15: Regulatory Information

15.1 General Information

No data available

15.2 Poisons Schedule

S5

15.3 National / Regional Inventories

AICS listed

Section 16: Other Information

16.1 Revision and Date of SDS

Issue number 1, dated 09 July 2024

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 Concrete Chemical Company 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 their Concrete Chemical Company representative or Concrete Chemical Company at the contact details on page 1.

Concrete Chemical Company responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

End of Safety Data Sheet