

## SAFETY DATA SHEET INFORMATION

For further information: Please refer to the Safety Data Sheet following

Issue: January 17

**PRODUCT:** WATER BASED CONCRETE SEALER

**Other Names:** Industrial Chemical

**Uses:** Industrial Protective Coating

**Signal Word:** Warning

|                               |      |
|-------------------------------|------|
| <b>UN No.:</b>                | NR   |
| <b>Dangerous Goods Class:</b> | NR   |
| <b>Subsidiary Risk:</b>       | None |
| <b>Packing Group:</b>         | NR   |
| <b>Hazchem Code:</b>          | NR   |
| <b>Poisons Schedule:</b>      | 5    |

|                            |                                                                |
|----------------------------|----------------------------------------------------------------|
| <b>Hazardous Nature:</b>   | This product is classified as hazardous under the GHS criteria |
| <b>Hazard Statement:</b>   | Irritant                                                       |
| <b>GHS Classification:</b> | Acute Toxicity - Inhalation: 2; Skin Corrosion/Irritation: 2A  |

### Physical Characteristics (Typical)

Section 9 of the SDS

|                                         |                                                                 |
|-----------------------------------------|-----------------------------------------------------------------|
| Appearance                              | Clear mobile liquid                                             |
| Boiling Point/Range (°C):               | > 100                                                           |
| Flash Point (°C):                       | > 95 (calc.)                                                    |
| Specific Gravity/Density (g/ml @ 15°C): | 1.02                                                            |
| pH:                                     | Neutral                                                         |
| Chemical Stability:                     | Stable at room temperature and pressure                         |
| Reactivity:                             | Strong oxidising agents, excessive heat, strong acids and bases |

### Product Ingredients

Section 3 of the SDS

| Ingredient  | CAS Number | Proportion |
|-------------|------------|------------|
| Dispersants | various    | > 60       |
| Water       | 7732-18-5  | > 15       |
| Solvents    | various    | < 15       |

For further ingredients information, please refer to the full MSDS

### GHS Pictograms

Section 2 of the SDS



### DEFINITIONS

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dangerous Goods      | Products that are regulated for transport under the UN International guidelines are classified as Dangerous Goods. Products can be classified by their physical characteristics and may have only one Dangerous Goods designation, although may have a subsidiary risk. These products may be Dangerous Goods for transport by Air and Sea, but may not be classed as Dangerous Goods by Road and Rail in Australia. Refer to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG) for more information. |
| Hazardous Substances | Hazardous Substances are those products that are intrinsically hazardous by virtue of their chemical nature, rather than as a condition of their misuse. These hazards include mutagens, teratogens, carcinogens, and products that are harmful or irritant in nature. These products may or may not carry a Dangerous Goods classification.                                                                                                                                                                                    |
| Poisons              | Poisons are products that are regulated by the dose or exposure, often having physical and chemical effects at certain concentrations particular to the nature of the product. The associated warnings, cautions and First Aid instruction are prescriptive under the regulation in Australia.                                                                                                                                                                                                                                  |

SUMMARY INFORMATION ONLY

## 1. IDENTIFICATION

**Product Name:** WATER BASED CONCRETE SEALER  
**Other Names:** Industrial Chemical  
**Chemical Family:** Water based coating  
**Molecular Formula:** Not available  
**Recommended Use:** Industrial Protective Coating  
**Supplier:** Contreat  
**ABN:** 80 477 225 325  
**Address:** 1/22 Lawrence Dr, Nerang QLD 4211  
**Telephone:** 1300 044 625  
**Fax:**  
**Emergency Phone:** +61 7 3209 8933 (After Hours)  
**All other inquiries:** 1300 044 625

## 2. HAZARDS IDENTIFICATION

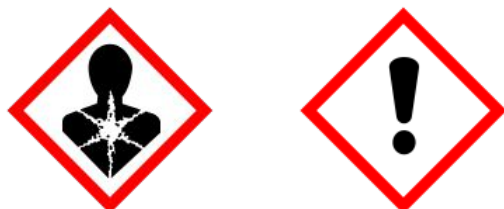
### Hazard Nature

This product is classified as hazardous under the GHS criteria

### GHS Classification

Acute Toxicity - Inhalation: 2; Skin Corrosion/Irritation: 2A

### GHS Pictograms



### Hazard Statement

Irritant

### Hazard Statements

H312 + 332: Harmful in contact with skin or inhaled

H373: May cause damage to organs through prolonged or repeated exposure

### Precautionary Statements

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+312+101: IF SWALLOWED: Call a POISON CENTER/doctor, if you feel unwell, and have product container or label at hand.

### Dangerous Goods Classification NR

### Poisons Schedule 5

### Signal Word Warning

## 3. COMPOSITION: Information on Ingredients

| Chemical Ingredient | CAS Number | Proportion (% v/v) |
|---------------------|------------|--------------------|
| Dispersants         | various    | > 60               |
| Water               | 7732-18-5  | > 15               |
| Solvents            | various    | < 15               |
| Surfactants         | various    | < 5                |

| Chemical Ingredient | CAS Number | Proportion (% v/v) |
|---------------------|------------|--------------------|
| Filler              | various    | < 5                |
| Rheology Modifier   | various    | < 1                |

## 4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

### Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

### Eye Contact

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

### Skin Contact

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

### Inhalation

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Seek immediate medical attention.

### First Aid Facilities

Provide eye baths and safety showers.

### Medical Attention

Treat according to symptoms.

## 5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

### Suitable Extinguishing Media

Water spray, fine mist, dry chemical or foam. Do not use water jets.

### Hazards from combustion products

This product will not burn, but is susceptible to decomposition in extreme heat.

### Precautions for fire fighters and special protective equipment

Full protective clothing and self-contained breathing apparatus

### Hazchem Code

NR

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency Procedures

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

### Methods and materials for containment

#### **Major Land Spill**

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.

- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

#### **Major Water Spill**

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

## **7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

This product will fuel a fire in progress and create toxic vapours on burning. This product will defat skin with prolonged contact. Wear appropriate PPE: chemical resistant gloves and coveralls. Employ standard industrial hygiene practices when handling this product.

### **Conditions for Safe Storage**

Store in a cool, dry place away from direct sunlight. Protect containers from physical damage and check regularly for leaks. Avoid release to the environment, store in bunded areas and ensure exit drains are closed.

### **Incompatible Materials**

None established

## **8. EXPOSURE CONTROLS: PERSONAL PROTECTION**

### **National Exposure Standards**

The time weighted average concentration (TWA) for this product is: None specified. Consider  $5 \text{ g/m}^3$ , which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short term exposure limit (STEL) is: None specified. Consider  $5 \text{ g/m}^3$ , which is the maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a Peak Limitation value (Peak): None applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitizer, represented as (S en), where None applies in this case.

### **Biological Limit Values (BLV)**

None specified

### **Engineering Controls: Ventilation**

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

### **Personal Protective Equipment**

**Respiratory Protection:** Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type ‘A’ filter material is considered suitable for this product.

**Eye Protection:** Always use safety glasses or a face shield when handling this product.

**Skin/Body Protection:** Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| Property                 | Unit of measurement     | Typical Value         |
|--------------------------|-------------------------|-----------------------|
| Appearance               | None                    | Clear mobile liquid   |
| Boiling Point/Range      | °C                      | > 100                 |
| Flash Point              | °C                      | > 95 (calc.)          |
| SG/Density (@ 15°C)      | g/ml; kgm <sup>-3</sup> | 1.02                  |
| Vapour Pressure @ 20°C   | kPa                     | Not determined        |
| Vapour Density @ 20°C    | g/ml; kgm <sup>-3</sup> | Not determined        |
| Autoignition Temperature | °C                      | Not determined        |
| Explosive Limits in Air  | % vol/vol               | No data available     |
| Viscosity @ 20°C         | cPs, mPas               | No data available     |
| Percent volatiles        | % vol/vol               | > 75                  |
| Acidity/alkalinity as pH | None                    | Neutral               |
| Solubility in Water      | g/l                     | Miscible              |
| Other solvents           | -                       | Water/organic solvent |

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable at room temperature and pressure

### Conditions to avoid

Strong oxidising agents, excessive heat, strong acids and bases

### Hazardous decomposition products

Carbon dioxide, carbon monoxide on decomposition or incomplete oxidation

### Hazardous reactions

Strong oxidising agents, excessive heat, strong acids and bases

### Hazardous polymerisation

Will not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Effects

#### **Ingestion**

This product is likely to cause discomfort on swallowing and may result in gastric disturbance and soft tissue irritation.

#### **Eye Contact**

Eye contact with this product may cause discomfort, but will be relieved with First Aid.

#### **Skin Contact**

Contact with this product may result in sensitisation. Avoid contact with skin and observe first aid measures. Contact is likely to result in drying, itching, redness, and swelling.

#### **Inhalation**

Vapours at elevated temperatures will cause dizziness and drowsiness. Vapours at room temperature are not obvious. Aspiration of product will result in chemical pneumonitis and tracheal burnin g.

### **Chronic Effects**

Repeated or prolonged contact with this product may result in irritation if PPE is not observed. This product can result in sensitisation with inhalation of high concentrations of vapours or mists.

### **Other Health Effects Information**

Persons with pre-existing skin or respiratory conditions will be sensitive to this product.

### **Toxicological Information**

Oral LD<sub>50</sub>: No data; consider > 5 g/kg

Dermal LD<sub>50</sub>: No data; consider > 5 g/kg

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

#### **Aquatic Toxicity:**

Fish Toxicity LC<sub>50</sub>: No data available

Daphnia Magna EC<sub>50</sub>: No data available

Blue-green algae: No data available

Green algae: No data available

**Persistence/Biodegradability:** This product is expected to biodegrade on exposure to UV light and air.

**Mobility:** This product is likely to be mobile on release to the environment.

## **13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods regulations.

### **Special Precautions**

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment, or considered for use in recycling.

## **14. TRANSPORT INFORMATION**

| Road and Rail Transport |                                 | Marine Transport     |                                 | Air Transport        |                                 |
|-------------------------|---------------------------------|----------------------|---------------------------------|----------------------|---------------------------------|
| UN No.                  | NR                              | UN No.               | NR                              | UN No.               | NR                              |
| Proper Shipping Name    | Paint & Paint related materials | Proper Shipping Name | Paint & Paint related materials | Proper Shipping Name | Paint & Paint related materials |
| DG Class                | NR                              | DG Class             | NR                              | DG Class             | NR                              |
| Sub. Risk               | None                            | Sub. Risk            | None                            | Sub. Risk            | None                            |
| Packing Group           | NR                              | Packing Group        | NR                              | Packing Group        | NR                              |
| Hazchem                 | NR                              | Hazchem              | NR                              | Hazchem              | NR                              |

### **Dangerous Goods Segregation**

This product is not regulated for Transport via Road and Rail.

## **15. REGULATORY INFORMATION**

**Country/Region:** Australia

**Inventory:** AICS

**Status:** Listed

**Poisons Schedule:** 5

## 16. OTHER INFORMATION

**Reasons for Issue:** Upgrade to GHS SDS; amalgamated supplier and regulatory changes in all sections.

**Abbreviations:**

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

GHS: Global Harmonised System

IARC: International Agency for Research on Cancer

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable

UN: United Nations

**References:**

Supplier Safety Data Sheets

<http://hsis.safework.gov.au/SearchHS.aspx> (January 17)

Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (January 17)

Ecotoxicology data: [http://cfpub.epa.gov/ecotox/quick\\_query.htm](http://cfpub.epa.gov/ecotox/quick_query.htm) (January 17)

*Sax's Dangerous Properties of Industrial Materials*, Richard J Lewis Snr., pub. Canada (2005)

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The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult relevant legislation and regulations governing the use and storage of this type of product, and it is recommended that the user conduct their own risk assessment prior to use. For further information, please contact Contreat.

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