

SAFETY DATA SHEET INFORMATION

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

Issue Date: August 23

PRODUCT: COLOURED CONCRETE SEAL

Other Names: Industrial Chemical

Uses: Industrial Protective Coating

Signal Word: Warning

UN No.: 1263

Dangerous Goods Class: 3

Subsidiary Risk: None

Packing Group: III

Hazchem Code: •3Y

Hazardous Nature:	This product is classified as hazardous under the GHS criteria.
Hazard Statement:	Flammable liquid and vapour
GHS Classification:	Flammable Liquids: 3; Aspiration Toxicant: 1; Skin Corrosion/Irritation: 2; Specific Target Organ Toxicity (Repeated Exposure): 1; Chronic Aquatic Toxicant: 2

Physical Characteristics (Typical):

Appearance:	Coloured mobile liquid
Boiling Point/Range (°C):	137 – 171
Flash Point (°C):	25
Specific Gravity/Density (g/ml @ 15 °C):	1.04
pH:	Neutral
Chemical Stability:	Stable at room temperature and pressure
Reactivity:	Strong oxidising agents, excessive heat, strong acids and bases

Product Ingredients

Ingredient	CAS Number	EINECS Number	Proportion
Xylene	1330-20-7	215-535-7	> 40
Naphtha(petroleum), light	64742-95-6	265-199-0	> 20
Ethyl Benzene	100-41-4	202-849-4	< 15
Contains: 1,2,4 Trimethylbenzene	95-63-6	202-436-9	> 10

For further ingredient information, please refer to the full SDS

GHS Pictograms



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. Hazardous Chemicals can attract a number of classifications, which are identified by the pictograms (if any) indicated on the SDS or label.

SUMMARY INFORMATION ONLY

1. IDENTIFICATION

Product Name:	COLOURED CONCRETE SEAL
Other Names:	Industrial Chemical
Chemical Family:	Solvent-based sealant
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
Emergency Phone:	+61 7 3209 8933 (After Hours)
All Other Enquiries:	1300 044 625
Website:	www.contreat.com.au

2. HAZARDS IDENTIFICATION

Hazardous Nature

This product is classified as hazardous under the GHS criteria.

GHS Classification

Flammable Liquids: 3; Aspiration Toxicant: 1; Skin Corrosion/Irritation: 2; Specific Target Organ Toxicity (Repeated Exposure): 1; Chronic Aquatic Toxicant: 2

GHS Pictograms



Hazard Statement

Flammable liquid and vapour

Hazard Statements

H226: Flammable liquid and vapour

H302+312+332: Harmful if swallowed, in contact with skin or inhaled

H315+335: Causes skin and respiratory irritation

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

H412: Harmful to aquatic life with long lasting effects

Precautionary Statements

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

P273: Avoid release to the environment.

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

P284: [In case of inadequate ventilation] wear respiratory protection.

P501: Dispose of contents, or container in accordance with local/regional/national/international regulation

Dangerous Goods Classification: 3

Signal Word: Warning

3. COMPOSITION: INFORMATION ON INGREDIENTS

Chemical Ingredient	CAS Number	EINECS Number	Proportion (%v/v)
Xylene	1330-20-7	215-535-7	> 40
Naphtha(petroleum), light	64742-95-6	265-199-0	> 20
Ethyl Benzene	100-41-4	202-849-4	< 15
Contains: 1,2,4 Trimethylbenzene	95-63-6	202-436-9	> 10
Silicon	various	various	> 10
Acetone	67-64-1	200-662-2	< 1
Water	7732-18-5	231-791-2	< 1
Additive	various	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 eyes with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.

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. Avoid gastric lavage - aspiration of product to the lungs may result in chemical pneumonitis.

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 is flammable and has the potential to develop explosive mixtures with air with extreme heat.

Precautions for fire fighters and special protective equipment

Full protective clothing and self-contained breathing apparatus

Hazchem Code

•3Y

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. Do not pressurise, cut, heat or weld containers - residual vapours are flammable. This product is flammable and will fuel a fire in progress.

Incompatible Materials

None specified

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: 96.9 mg/m³ (20 ppm), which means the highest allowable exposure concentration in an eight-hour day for a five-day working week must not exceed this measurement. The short-term exposure limit (STEL) is: 242 mg/m³ (50 ppm), which is the maximum allowable exposure concentration that must not be exceeded at any time. Some materials specify a Peak Limitation value (Peak): where None applies in this case. A peak limitation value supersedes TWA and STEL values and determines the concentration which must not be exceeded at any time. In addition to exposure concentrations, some materials can be classified as skin sensitisers effecting exposure through vapour or direct contact, indicated here as (Sen), where applies in this case. Other products may have a characteristic of being easily absorbed through the skin (Sk), 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	Coloured mobile liquid
Boiling Point/Range	°C	137 – 171
Flash Point	°C	25
SG/Relative Density (@ 15°C)	g/ml; kgm ⁻³	1.04
Vapour Pressure @ 20 °C	kPa	No data available
Vapour Density @ 20 °C	g/ml; kgm ⁻³	No data available
Autoignition Temperature	°C	> 200
Explosive Limits in Air (LEL – UEL)	% vol/vol.	Not determined
Viscosity @ 20°C	cPs, mPas	Not determined
Percent Volatiles	% vol/vol.	> 60
Acidity/alkalinity as pH	None	Neutral
Solubility in Water (at 25 °C)	g/l	Partially miscible with water
Other solvents	-	Organic solvents

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 material will cause irritation to the throat and tube to the stomach and may cause nausea. Vomiting may cause the product to be aspirated to the lungs possibly resulting in chemical pneumonitis.

Eye Contact

Eye contact with this product will cause redness and swelling with a burning sensation and blurred vision. Prolonged eye damage is possible with this product.

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 should be controlled through adequate (do not use in confined spaces) or mechanical ventilation.

Chronic Effects

Repeated or prolonged contact with this product may result in irritant contact dermatitis if PPE precautions are not observed.

Other Health Effects

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

Toxicological Information

Oral LD₅₀: rat: Xylene: (rat) > 2000 mg/kg

Dermal LD₅₀: rabbit: Xylene: (rabbit) > 2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity:

Fish Toxicity LC ₅₀	Cumene: Rainbow Trout: 2700 µg/L
Daphnia Magna EC ₅₀	Cumene: 1400 µg/L
Blue-green algae	This product is considered harmful to aquatic plant life.
Green algae	This product is considered harmful to aquatic plant life.

Persistence/Biodegradability: This product will evaporate on exposure to light and air.

Mobility: This product is miscible with water and likely to contaminate grasslands, waterways, and soil if 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.	1263	UN No.	1263	UN No.	1263
Proper Shipping Name	Paint & Paint related materials	Proper Shipping Name	Paint & Paint related materials	Proper Shipping Name	Paint & Paint related materials
DG Class	3	DG Class	3	DG Class	3
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	III	Packing Group	III	Packing Group	III
Hazchem Code	•3Y	Hazchem Code	•3Y	Hazchem Code	•3Y

Dangerous Goods Segregation

This product is regulated as Class 3 Dangerous Goods, packing group III.

15. REGULATORY INFORMATION

Country/Region: Australia

Inventory: AICS (AICIS)

Status: Listed, ingredients listed

Labelling: Products including Titanium Dioxide are created in a way that there is no risk that the pigment is loose or able to create respirable dusts on drying. The pigment is fully encapsulated in other ingredients to ensure a high performance for colour and durability, thereby reducing any risk of incidental exposure. Titanium Dioxide powders with a < 10µm particle size are listed as carcinogens under international standards and in the EU require special product labelling.

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

AICIS: Australian Industrial Chemicals Inventory Scheme

ATE: Acute Toxicity Estimate

CAS Number: Chemical Abstracts Number

GHS: Globally Harmonised System

IARC: International Agency for Research on Cancer

IUCLID: International Uniform Chemical Information Database

PPE: Personal Protective Equipment

EC: European Chemical identification number

EINECS: European Inventory of Existing Chemical Substances

LoW: List of Wastes

LC₅₀: Lethal Concentration to 50% of sample population

LD₅₀: Lethal Dose to 50% of sample population

N/R: Non-regulated

N/A: Not applicable

PEC: Predicted Effect Concentration

PNEC: Predicted Non-effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

UN: United Nations

References:

- Supplier Safety Data Sheets
- <http://hsis.safework.gov.au/SearchHS.aspx> (August 23)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (August 23)
- Ecotoxicology data: <https://cfpub.epa.gov/ecotox>
- General sources of chemical information available to Contreat

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.
