Con-Treat Pty Ltd
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"From time of pour to finished floor...we've got you covered"

SAFETY DATA SHEET INFORMATION

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

Issue: January 2022

PRODUCT: STONE SEAL

Other Names: Industrial Sealant

Uses: Industrial Proctective Coating

Signal Word: Warning

UN No.:	1263
Dangerous Goods Class:	3
Subsidiary Risk:	None
Packing Group:	III
Hazchem Code:	3Y
Poisons Schedule:	5

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; Acute Toxicity - Inhalation: 2; Acute Toxicity - Dermal: 2; Specific Target Organ Toxicity (Repeated Exposure): 1

Physical Characteristics (Typical) — Section 9 of the SDS

Appearance	Clear mobile liquid
Boiling Point/Range (°C):	> 100
Flash Point (°C):	36
Specific Gravity/Density (g/ml @ 15°C):	0.29
pH:	Neutral
Chemical Stability:	Stable at room temperature and pressure
Reactivity:	Strong oxidising agents, excessive heat

Product Ingredients — Section 3 of the SDS

Ingredient	CAS Number	Proportion
Naphtha(petroleum), light	64742-95-6	> 50
Contains: 1,2,4 Trimethyl benzene	95-63-6	< 20
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	< 10
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:	STONE SEAL
Other Names:	Industrial Sealant
Chemical Family:	Solvent-Based Sealant
Molecular Formula:	Not available
Recommended Use:	Industrial Proctective Coating
Supplier:	Con-Treat Pty Ltd
ABN:	35 123 222 328
Address:	Unit 11, 80-82 Township Drv, Burleigh Heads QLD 4220
Telephone:	+61 7 5568 7733
Fax:	+61 7 5576 5148
Emergency Phone:	**+61 7 5568 7733**
All other inquiries:	+61 7 5568 7733

2. HAZARDS IDENTIFICATION

Hazard Nature

This product is classified as hazardous under the GHS criteria.

GHS Classification

Flammable Liquids: 3; Aspiration Toxicant: 1; Acute Toxicity - Inhalation: 2; Acute Toxicity - Dermal: 2; Specific Target Organ Toxicity (Repeated Exposure): 1

GHS Pictograms

Hazard Statement

Flammable liquid and vapour

Hazard Statements

H226: Flammable liquid and vapour
H312 + 332: Harmful in contact with skin or inhaled
H315+335: Causes skin and respiratory irritation
H373: May cause damage to organs through prolonged or repeated exposure
H305: May be harmful if swallowed and enters airways
AUH066: Repeated exposure may cause skin dryness or cracking
H336: May cause drowsiness or dizziness

Precautionary Statements

P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P262: Do not get in eyes, on skin, or on clothing.
P273: Avoid release to the environment.
P243: Take precautionary measures against static discharge.
P308+311: IF exposed or concerned: Call a POISON CENTER/ doctor/…
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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 3
Poisons Schedule 5
Signal Word Warning

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/v)
Naphtha(petroleum), light	64742-95-6	> 50
Contains: 1,2,4 Trimethyl benzene	95-63-6	< 20
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	< 10
Contains: < 0.01% benzene		
Xylene	1330-20-7	> 20
Ethyl benzene	100-41-4	< 10
Rheology modifiers	various	< 5
Fragrance	various	< 5

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 affective 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

Alcohol resistant foam, or if unavailable, dry chemical or foam

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

Natural rubbers, neoprene, butyl and or nitrile rubbers, EPDM, Polystyrene

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: 350 mg/m^3 (80 ppm), 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: 543 mg/m^3 (125 ppm), 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 sensitiser, represented as (Sen), 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	36
SG/Density (@ 15°C)	g/ml; kgm^{-3}	0.29
Vapour Pressure @ 20°C	kPa	No data available
Vapour Density @ 20°C	g/ml; kgm^{-3}	No data available
Autoignition Temperature	°C	> 250
Explosive Limits in Air	% vol/vol	No data available
Viscosity @ 20°C	cPs, mPas	No data available
Percent volatiles	% vol/vol	> 70
Acidity/alkalinity as pH	None	Neutral
Solubility in Water	g/l	Insoluble
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

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 will 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 will result in irritant contact dermatitis if PPE precautions are not observed.

Other Health Effects Information

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

Toxicological Information

Oral LD_{50}: Rat: >2000 mg/kg

Dermal LD_{50}: Rabbit: >2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity:

Fish Toxicity LC_{50}:	No data available
Daphnia Magna EC_{50}:	Cumene: 1400 µg/L
Blue-green algae:	Cumene: 2600 µg/L
Green algae:	No data available

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	•3Y	**Hazchem**	•3Y	**Hazchem**	•3Y

Dangerous Goods Segregation

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

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 (January 17)
- *Sax's Dangerous Properties of Industrial Materials,* Richard J Lewis Snr., pub. Canada (2005)

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 the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Con-Treat Pty Ltd.