# SAFETY DATA SHEET

# CONCRETE SEALER TINT BASE

Issued: September 2020

Hazardous according to criteria of Worksafe Australia

## 1 PRODUCT & COMPANY UNDERTAKING IDENTIFICATION

| | |
|---|---|
| Product Name: | **CONCRETE SEALER TINT BASE** |
| Major Recommended Use: | Concrete and masonry surface treatment. Industrial protective sealer. |
| Company: | Australian Slate-Crete Supplies Pty Ltd |
| ABN: | 35 051 984 993 |
| Address: | 12 Yale Drive, Epping, Victoria, 3076 |
| Telephone Number: | 61 (03) 9408 7722 |
| Emergency/AH telephone: | 0410 542 100 |
| Web site: | www.australianslatecrete.com.au |

## 2 HAZARDS IDENTIFICATION

**GHS Classification:**

| | |
|---|---|
| GHS02 | Flammable liquids (Category 3) |
| GHS07 | Acute toxicity, Inhalation (Category 4)<br>Acute toxicity, Dermal (Category 4)<br>Skin corrosion/irritation (Category 2) |
| GHS08 | Specific target organ toxicity – repeated exposure (Category 2)<br>Aspiration hazard (Category 1) |

GHS02 GHS07 GHS08

**Signal word:** DANGER

**Hazard statements**:

| | |
|---|---|
| H226 | Flammable liquid and vapour |
| H304 | May be fatal if swallowed and enters airways |
| H312+332 | Harmful in contact with skin or if inhaled |
| H315 | Causes skin irritation |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H412 | Harmful to aquatic life with long lasting effects |

**Precautionary statements**

| | | |
|---|---|---|
| Prevention | P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources – NO SMOKING |
| | P261 | Avoid breathing dust/fumes/gas/mist/vapours/spray |
| | P273 | Avoid release to the environment. |
| Response | P301+310 | IF SWALLOWED: Immediately call a POISON CENTRE on 13 11 26 or doctor |
| | P303+361+353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of soapy water |
| | P304+340+312 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE on 13 11 26 or doctor if you feel unwell. |
| | P331 | Do NOT induce vomiting. |
| | P370+P378 | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. |
| Storage | P403+235 | Store in a well-ventilated place. Keep cool. |
| Disposal | P501 | Dispose of contents/ container to an approved waste disposal plant. |

**Safety Statements**:

| | |
|---|---|
| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection. |
| S62 | If swallowed, do not induce vomiting; seek medical advice immediately and show this SDS, container or label. |

**Hazard Codes**: Xn (harmful), Xi (irritant), N (dangerous for the environment)

**Poisons Schedule:** S6

**ADG CLASS:** Flammable Liquid Class 3 PGIII UN 1866 RESIN SOLUTION

**Signs and Symptoms of Exposure *(Acute effects)*:**

**Swallowed:** Ingestion may cause: severe gastrointestinal irritation, headache, nausea, vomiting. Small amount of liquid aspirated into respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.

**Eye:** Contact with eyes can cause mild irritation and discomfort, and may cause conjunctivitis and corneal oedema when absorbed into the tissue of the eye from the atmosphere. Corneal oedema may give rise to a perception of blue haze or fog around lights. This effect is transient and has no known residual effect.

**Skin:** Irritating to skin. Absorption through skin may occur resulting in harmful effects or illness. Prolonged and repeated contact may result in skin sensitisation and dermatitis due to de fatting.

**Inhaled:** Prolonged inhalation may result in respiratory irritation, dizziness, nausea, and loss of consciousness. Aspiration into the lungs may cause chemical pneumonitis which can be fatal.

**Chronic*:*** Repeated and/or prolonged exposures may result in: adverse skin effects (de fatting, rash or allergic reaction/sensitisation), adverse eye effects (conjunctivitis) and temporary liver or kidney damage.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

| **Chemical Name** | **CAS Number** | **Proportion** | **Classification** |
|---|---|---|---|
| Acrylic resin | confidential | 10-30% | non-hazardous |
| Xylene | 1330-20-7 | 30-60% | Xn; H315, H332 |
| Solvent naphtha (petroleum), light aromatic | 64742-95-6 | 10-30% | Xn, Xi; H312, H373 |
| Non-hazardous ingredients | | 1 – 10% | non-hazardous |

Description Flammable Liquid

## 4 FIRST AID MEASURES

**Swallowed:** If swallowed, do NOT induce vomiting, Give a glass of water and contact a doctor or Poisons Information Centre. Telephone **13 11 26**.

**Eye:** Immediately hold eye open and irrigate with water for 15 minutes. If persistent irritation occurs, obtain medical attention and see a Doctor.

**Skin:** Remove any contaminated clothing and product. Wash skin thoroughly with mild soap/water. Seek medical advice if ill effect or irritation develops.

**Inhaled:** Using proper respiratory protection, immediately remove the affected victim from exposure to fresh air. If breathing is laboured and patient is cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

**First Aid Facilities:** Eyewash fountains and safety showers should be available for emergency use.

**Advice to Doctor:** Dermatitis may result from prolonged or repeated exposure.
Aspiration into the lungs may cause chemical pneumonitis. Causes central nervous system depression. Severe exposure may cause blurred vision, tremors, shallow and rapid breathing, delirium and unconsciousness.

## 5 FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Ignition will give rise to a Class B fire.
In case of large fire use: water spray, alcohol foam.
In case of small fire use: Foam. Dry chemical powder, carbon dioxide, sand or earth.

**Special Exposure Hazards (fire fighting):** Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

**Special Fire Fighting Procedures:** Fire fighters should wear full protective clothing and self-contained breathing apparatus. Water spray should be used to cool intact drums. Prevent runoff from fire control entering waterways.

**HAZCHEM code:** 3 [Y]

## 6 ACCIDENTAL RELEASE MEASURES

**Precautions:** Eliminate all sources of ignition. Wear protective clothing, boots, gloves, and eye protection.

**Methods for Cleaning Up:** If recovery is not feasible, admix with dry soil, sand or non-reactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later disposal. Flush area with water spray. Clean-up personnel must be equipped with self-contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with vacuum truck.

## 7 HANDLING & STORAGE

**Handling:** Avoid skin and eye contact and inhalation of vapours. Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS 1715 and AS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or reuse.

**Storage:** Flammable Liquid (Class 3). Take precautionary measures against static discharge. Store in well ventilated area. Store away from organic, combustible materials, oxidizing agents, foodstuffs. Keep containers closed at all times. Check regularly for leaks. Avoid thermal shock. Store in cool place and out of direct sunlight. Store away from sources of heat or ignition.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Standards:**

| | | | | |
|---|---|---|---|---|
| Xylene | TWA (8 hours) | 80 ppm | TWA (8 hours) | 350 mg/m$^3$ |
| | STEL (15 min) | 150 ppm | STEL (15 min) | 655 mg/m$^3$ |

Can be absorbed through the skin

**Engineering Controls:** Use local exhaust ventilation. Do not use in an enclosed or poorly ventilated area.

**Personal Protection:**

**Hand Protection:** Wear impervious gloves if contact with liquid is possible. Viton offers good resistance; other materials may be less suitable. Refer AS 2161, 2919 and AS/NZS 2210 for more information.

**Eye Protection:** Safety glasses with top and side shields, goggles or face shield. Refer Australian Standards AS 1336 and AS/NZS 1337 for more information.

**Body Protection:** Standard issue work clothes safety shoes or boots - chemical resistant. If splashes are likely to occur, wear: long sleeve overall. Check with equipment supplier to determine if level of protection is adequate.

**Flammability:** Flammable

## 9 PHYSICAL & CHEMICAL PROPERTIES

| | |
|---|---|
| Appearance: | Clear colourless liquid |
| Smell: | Aromatic Solvent |
| pH: | Not applicable |
| Boiling Point (at 760 mmHg): | 138 – 185°C |
| Melting Point: | < -50°C |
| Flashpoint: | 25°C (closed cup) |
| Flammability: | Flammable |
| Explosive Limits: | LEL: 0.6 % v/v UEL: 7.0% v/v |
| Auto-ignition Temperature: | >460°C |
| Oxidizing Properties: | No data |
| Vapour Pressure (20°C): | ≤ 1 kPa |
| Vapour Density (Air =1): | 3.7 |
| Solubility in Water: | Insoluble |
| Specific Gravity: | 0.90 – 0.93 |
| VOC content: | ≤ 680 g/L < 74% by volume |

## 10 STABILITY & REACTIVITY

**Stability:** Stable under normal use conditions. Reacts with strong oxidizing agents. Reacts with strong acids.

**Conditions to Avoid:** Heat, sparks, flames.

**Incompatibility (Materials to avoid):** Strong acids. Strong oxidizing agents

**Hazardous Decomposition Products:** None known.

**Hazardous Transformation Products:** Will not occur.

## 11 TOXICOLOGICAL INFORMATION

No product toxicological information is available, but similar products they are as follows:

**Acute Oral Toxicity ($LD_{50}$):** Low toxicity, $LD_{50}$ > 2000 mg/kg

**Acute Dermal Toxicity ($LD_{50}$):** Low toxicity, $LD_{50}$ > 2000 mg/kg

**Acute Inhalation Toxicity ($LC_{50}$):** Low toxicity, $LC_{50}$ > 5 mg/L

## 12 ECOLOGICAL INFORMATION

**Basis for assessment:** Ecotoxicological data have not been determined specifically for the components in this product.

The information given below is based on knowledge of the components and the ecotoxicology of similar products.

**Mobility:** Floats on water. Hydrocarbon volatiles evaporate within a day from water or soil surfaces. If hydrocarbon solvents enter soil, they will be mobile and may contaminate groundwater Dissolved material film forms readily.
No specific test data is available and there is no evidence for hazardous properties with respect to the resin component

**Persistence/degradability**: Solvent component is readily biodegradable.
Expected to persist under anaerobic conditions.
Oxidizes rapidly by photo-chemical reactions in air.
Integrated environmental half-life expected to be < 1 day.
Dominant loss process – photolysis.
Expected to pose a significant risk of oxygen depletion in aquatic systems.
No specific test data is available and there is no evidence for hazardous properties with respect to the resin component

**Bioaccumulation:** Does not bioaccumulate significantly.

| | |
|---|---|
| Acute toxicity – fish: | Toxic, 1 < LC/EC/$IC_{50}$ ≤10 mg/L |
| Acute toxicity – invertebrates: | Toxic, 1 < LC/EC/$IC_{50}$ ≤10 mg/L |
| Acute toxicity – algae: | Toxic, 1 < LC/EC/$IC_{50}$ ≤10 mg/L |
| Acute toxicity – bacteria: | Slightly toxic, 10 < LC/EC/$IC_{50}$ ≤100 mg/L |

Based on o- and p-xylene
No specific test data is available and there is no evidence for hazardous properties with respect to the resin component

**Sewage treatment:** Expected to be non-toxic at limit of water solubility.

**Other information:**

## 13 DISPOSAL CONSIDERATIONS

**Precautions:** Refer to Section 7 before handling the product or containers.

**Waste disposal:** Recover or recycle if possible. Otherwise: Incineration.

**Product disposal:** Recover or recycle if possible. Otherwise: Incineration.

**Container disposal:** Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

**Local legislation:** The recommendations given are considered appropriate for safe disposal. However, local regulations may be more stringent and these must be complied with.

## 14 TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".


SHIPPING NAME: RESIN SOLUTION, (Flammable Liquid)

| Mode | Regulations | Class | Packing Group | Notes |
|---|---|---|---|---|
| - | UN | 1866 | III | |
| Sea | IMDG | Class 3.3 | III | |
| Road/Rail | ADG Code | Class 3 | III | |
| Air | IATA/ICAO | Class 3 | III | |

Classified as Class 3 (FLAMMABLE LIQUID) Dangerous Substance for the purpose of transport. Refer to relevant regulations for storage and transport requirements.

Not to be loaded with explosives (Class 1), spontaneously combustible substances (Class 4.2), oxidizing agents (Class 5.1), organic peroxides (Class 5.2), or foodstuff empties, however exemptions may apply.

This material is a Scheduled Poison (S6) and must be stored, maintained and used in accordance with the relevant regulations.

## 15 REGULATORY INFORMATION

**EEC Symbol:** Xn Harmful
Xi Irritant
F Flammable

**GHS Classification**

| | |
|---|---|
| GHS02 | Flammable liquids (Category 3) |
| GHS07 | Acute toxicity, Inhalation (Category 4) |
| | Acute toxicity, Dermal (Category 4) |
| | Skin corrosion/irritation (Category 2) |
| GHS08 | Specific target organ toxicity - repeated exposure (Category 2) |
| | Aspiration hazard (Category 1) |

**Full text of H-Statements referred to under sections 2 and 3.**

| | |
|---|---|
| Acute Tox. | Acute toxicity |
| Asp. Tox. | Aspiration hazard |
| Flam. Liq. | Flammable liquids |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H332 | Harmful if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| Skin Irrit. | Skin irritation |
| STOT RE | Specific target organ toxicity - repeated exposure |

**EEC Council Directives relating to the classification, packaging and labelling of dangerous substances and preparations Risk (R) and Safety (S) phrases:**

| | |
|---|---|
| R10 | Flammable |
| R20/21 | Harmful by inhalation and in contact with skin |
| R38 | Irritating to skin |
| R65 | Harmful: May cause lung damage if swallowed. |
| S2 | Keep out of reach of children |
| S9 | Keep container in a well ventilated place |
| S16 | Keep away from sources of ignition – No smoking |
| S23 | Do not breathe vapour |
| S24/25 | Avoid contact with skin and eyes |

## 16 OTHER INFORMATION

**Uses and restrictions:** Raw material for use in the chemical industry. Persistent abuse involving repeated and prolonged exposures to high concentrations of vapour ('sniffing') has been reported to result in central nervous system damage and eventually death.

**SDS distribution:** The information in this document should be made available to all who may handle the product.

**Reference:** The content and format of this safety data sheet is in accordance with the 3rd Revised Edition of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia's Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (2011).

**Issue Date:** 16th September, 2020

**Reason for Issue:** Supersedes previous issue dated 9th May, 2015
Updated manufacturer and contact details