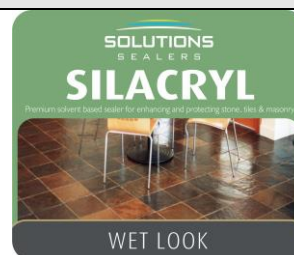


# SAFETY DATA SHEET



*Date of Issue: OCTOBER 2017*

*Page 1 of 8*

## SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>SUPPLIER:</b>	Solutions – Sealers for Stone & Tile.		
<b>ADDRESS:</b>	2/27 Central Park Drive, Yandina QLD 4561, Australia.		
<b>Trade Name:</b>	<b>“SILACRYL” SEALER</b>		
<b>TELEPHONE:</b>	1300 4 STONE (78663)	<b>FAX:</b>	+ 61 7 5446 7381
<b>AH EMERGENCY TELEPHONE:</b>	13 1126 in Australia 0800 764 766 in New Zealand	<b>ABN:</b>	25 128 656 082
<b>Substance:</b>	Solvent Based Sealer.	<b>Product Use:</b>	Paint for impregnation and coating of tiles and mineral based pavers.
<b>Creation Date:</b>	Oct 2017	<b>Revision Date:</b>	Oct 2022
<b>Product Code:</b>			

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification of the substance or mixture

<b>Poisons Schedule</b>	S5 (LIQUID HYDROCARBONS)
<b>Dangerous Goods</b>	UN 1263 PAINTS
<b>GHS Classification</b>	Flammable liquids (Category 3) Skin Corrosion/Irritation, Category 2 Serious Eye Damage/Irritation, Category 2A Specific Target Organ Toxicity (Single exposure), Category 3 Aspiration Hazard, Category 1 Acute toxicity, Inhalation (Category 4) Acute toxicity, Dermal (Category 4) Chronic Aquatic Toxicity, Category 2
<b>GHS Pictogram</b>	
<b>GHS Signal Word</b>	<b>DANGER</b>
<b>GHS Hazard Statement(s)</b>	H226 Flammable liquid and vapour. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation H332 Harmful if inhaled. H335 May cause respiratory irritation H304 May be fatal if swallowed and enters airways H411 Toxic to aquatic life with long lasting effects
<b>GHS Precautionary Statement(s)</b>	
<b>General</b>	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.
<b>Prevention</b>	P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment.

# SAFETY DATA SHEET



*Date of Issue: OCTOBER 2017*

*Page 2 of 8*

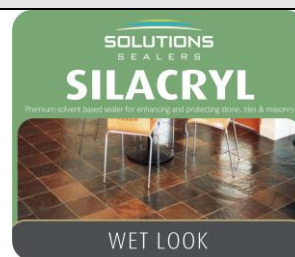
	<p>P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.                  P242 Use only non-sparking tools.                  P243 Take precautionary measures against static discharge.                  P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.                  P264 Wash skin thoroughly after handling.                  P271 Use only outdoors or in a well-ventilated area.                  P273 Avoid release to the environment.                  P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p>
<b>Response</b>	<p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician                  P302 + P352 IF ON SKIN: Wash with plenty of soap and water                  P303 + P361 + P353                  IF ON SKIN (or hair): Take off contaminated clothing and wash before reuse.                  Rinse skin with water/shower                  P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing                  P305 + P351 + P338                  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing                  P312 Call a POISON CENTER or doctor/physician if you feel unwell                  P331 Do NOT induce vomiting                  P332 + P313 If skin irritation occurs: Get medical advice/attention                  P337 + P313 If eye irritation persists: Get medical advice/attention                  P362 Take off contaminated clothing and wash before reuse                  P370 + P378 In case of fire: Use foam/water spray/fog for extinction                  P391 Collect spillage</p>
<b>Storage</b>	<p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed                  P403 + P235 Store in a well-ventilated place. Keep cool                  P405 Store locked up</p>
<b>Disposal</b>	<p>P501 Dispose of contents/ container to an approved waste disposal plant.</p>

## SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Solvent naphtha (petroleum), light aromatic; Low boiling point naphtha - unspecified	64742-95-6	30 - 60% w/w
With components:		
1,2,4 Trimethylbenzene	95-63-6	10 - 30% w/w
1,3,5 Trimethylbenzene	108-67-8	<10% w/w
1,2,3 Trimethylbenzene	526-73-8	<10% w/w
n-Propylbenzene	103-65-1	<10% w/w
Cumene	98-82-8	<10% w/w
Xylene isomers	1330-20-7	30 - 60% w/w
Acrylic polymer	Proprietary	10 - 30% w/w
Note – contains < 0.1% benzene		

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 4th edition United Nations 2011.

# SAFETY DATA SHEET



*Date of Issue: OCTOBER 2017*

*Page 3 of 8*

## SECTION 4 – FIRST AID MEASURES

<b>Scheduled Poisons</b>	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
<b>First Aid Facilities Required</b>	Eye wash station. Showering facility. Normal washroom facilities.
<b>Inhalation</b>	Remove person from contaminated area to fresh air. Avoid becoming a casualty. If irritation develops seek medical attention.
<b>Skin contact</b>	After contact with skin or hair, wash immediately with plenty of soap-suds. Immediately remove contaminated clothing and wash before reuse. If irritation develops seek medical attention.
<b>Eye contact</b>	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If irritation develops seek medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. If swallowed, immediately wash out mouth with water, and then give plenty of water to drink. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration into the lungs.
<b>Advice to Doctor</b>	Treat symptomatically. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Flammable liquid. Product may form flammable/explosive vapour-air mixture during use. Hazardous combustion products: Carbon Monoxide, Carbon Dioxide and other possibly toxic gases and vapours on burning. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.
<b>Extinguishing Media</b>	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water in a jet.
<b>Fire Fighting</b>	Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dyke for later disposal. Use extinguishing agents for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Wear full protective clothing and self-contained breathing apparatus. Hazchem code 3Y.
<b>Flash Point</b>	Ca 30 °C.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	<p>HAZCHEM code : •3Y</p> <p><b>3</b> = use foam extinguisher to fight fires.</p> <p><b>Y</b> = Yes – risk of violent reaction, recommend breathing apparatus, contain.</p> <ul style="list-style-type: none"> <li>➤ Shut off engine and electrical equipment off.</li> <li>➤ No smoking or naked lights within 50 metres.</li> <li>➤ Move people from immediate area; keep upwind.</li> <li>➤ Send messenger to notify fire brigade and police.</li> <li>➤ Tell them location, material quantity, UN number and emergency contact. Indicate condition of vehicle and damage or injuries observed.</li> <li>➤ Warn other traffic.</li> </ul>
<b>Occupational Release</b>	Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measure against static

# SAFETY DATA SHEET



*Date of Issue: OCTOBER 2017*



*Page 4 of 8*

discharge. Ensure electrical continuity by bonding and earthing all equipment. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly. For small spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

## SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights or ignition sources. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use.
<b>Storage</b>	Avoid all sources of ignition – (heat, sparks, static electricity, open flame). Use flameproof equipment and fittings to prevent flammability risk. Store in a well-ventilated area. Store in a cool, dry place and out of direct sunlight. Store away from incompatible substances i.e. strong oxidizing agents, acids or bases. Keep containers closed at all times – check regularly for leaks.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits</b>	From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia - Xylene: 350mg/m <sup>3</sup> (80ppm) TWA (8hr), 655mg/m <sup>3</sup> (150ppm) STEL
<b>Engineering Controls</b>	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.
<b>Personal Protective Equipment</b>	This product is classified as hazardous according to the criteria of Worksafe Australia. Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;
<b>Eye Protection</b> 	The use of safety goggles is recommended to handle. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.
<b>Skin Protection</b> 	Wear normal work clothes, boots and impervious gloves (as per AS/NZS 2161, or as recommended by supplier), especially to handle concentrate in quantity, cleaning up spills, decanting, etc.

# SAFETY DATA SHEET



Date of Issue: **OCTOBER 2017**

Page 5 of 8



**Protective Material Types**

Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.

**Respirator**



If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	liquid	<b>Colour</b>	colourless
<b>Odour</b>	Strong aromatic odour	<b>Specific Gravity</b>	Ca 0.95
<b>Boiling Point</b>	IBP: Ca 136 °C, FBP: Ca 182 °C	<b>Freezing Point</b>	Approximately -45 °C
<b>Vapour Pressure</b>	Typical: 0.2 kPa @ 0°C, 1 kPa @ 20°C, 4.5kPa @ 50°C	<b>Vapour Density</b>	3.7 (air = 1)
<b>Flash Point</b>	Approximately 30 °C	<b>Flammable Limits</b>	Ca 1.0 - 7.1 %
<b>Water Solubility</b>	0.175 kg/m <sup>3</sup>	<b>pH</b>	neutral
<b>Volatile Organic Compounds (VOC)</b>	Ca 70% v/v	<b>Coefficient of Water/Oil Distribution</b>	Log Pow 3.12 – 3.2
<b>Viscosity</b>	Not available	<b>Odour Threshold</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Per Cent Volatile</b>	Ca 70% v/v
<b>Odour Threshold</b>	0.27 ppm	<b>Evaporation Rate</b>	0.76 (n-Butyl Acetate = 1)

## SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable at normal temperatures and pressure.
<b>Conditions to Avoid</b>	Avoid contact with incompatible materials. Avoid contact with heat, flames, sparks.
<b>Incompatibilities</b>	Strong oxidizing agents or acids.
<b>Hazardous Decomposition</b>	Thermal decomposition products: Carbon Monoxide, Carbon Dioxide and other possibly toxic gases and vapours on burning.

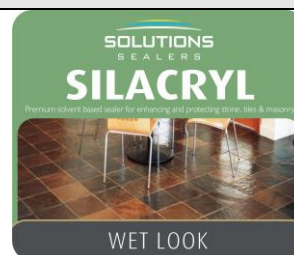
## SECTION 11 – TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Inhalation</b>	In high concentrations, may cause central nervous system depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continuous inhalation may result in unconsciousness and death. LC50 Inhalation - rat - 4 h - 5000 ppm. May include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure.
<b>Skin contact</b>	Brief contact not expected to be irritating. LD50 Dermal - rabbit - > 1,700 mg/kg. May include burning sensation, redness, swelling and/or blisters.

# SAFETY DATA SHEET



*Date of Issue: OCTOBER 2017*

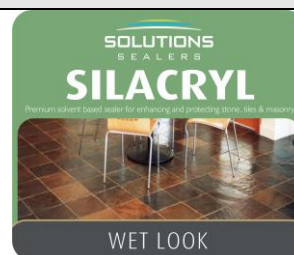
*Page 6 of 8*

<b>Eye contact</b>	Mildly irritating to the eyes, which can result in redness and lachrymation. May include burning sensation, redness, swelling and/or blurred vision.
<b>Ingestion</b>	Harmful if swallowed. Tends to break into a foam if the patient vomits. Aspiration into the lungs may lead to chemical pneumonitis. Expected to be of low toxicity.
<b>Chronic exposure</b>	Blurred vision, Incoordination., Headache, Nausea, Vomiting, Dizziness, Weakness, anemia, Prolonged or repeated exposure to skin causes defatting and dermatitis. Liver - Irregularities - Based on Human Evidence.
<b>Toxicology Information</b>	Not toxic, based on ingredients. Oral LD50 (calculated) : >2000 mg/kg
<b>Carcinogen Status</b>	
<b>NOHSC</b>	No significant ingredient is classified as carcinogenic by NOHSC.
<b>NTP</b>	No significant ingredient is classified as carcinogenic by NTP.
<b>IARC</b>	3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene).
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitizer.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitizer.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction.
<b>STOT-single exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>STOT-repeated exposure</b>	Acute Toxicity Category 4: Harmful if inhaled. Continued inhalation may result in unconsciousness and/or death. Prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss.
<b>Aspiration Hazard</b>	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Eco-toxicity Product (as sold)</b>	Toxic to aquatic life with long-lasting effects. Acute Aquatic Toxicity - 2 /Chronic Aquatic Toxicity - 2 Acute Aquatic Toxicity (Calculated) LC50: 1 - 10 mg/L.
<b>Persistence and degradability</b>	Biodegradable, based on ingredients. Stated to be readily biodegradable, and oxidize rapidly by photochemical reactions in air; integrated environmental half-life expected to be < 1 day.
<b>Bio accumulative potential</b>	No bioaccumulation is expected.
<b>Mobility in soil</b>	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
<b>Other adverse effects</b>	Not available
<b>Environmental Protection</b>	DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs. Ingredient Xylene isomers, CAS 1330-20-7 expected to be non toxic in sewage treatment.

# SAFETY DATA SHEET



*Date of Issue: OCTOBER 2017*

*Page 7 of 8*

## SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

## SECTION 14 – TRANSPORT INFORMATION

### ADG CODE – ROAD & RAIL

<b>UN Number</b>	1263	<b>ADG Classification</b>	Class 3 FLAMMABLE
<b>Shipping Name</b>	PAINT	<b>ADG Subsidiary Risk</b>	none allocated
<b>Hazchem Code</b>	•3Y	<b>Packing Group</b>	III
<b>Environmental hazards</b>	none allocated	<b>Special Provisions</b>	none allocated
<b>Segregation</b>	none allocated		

### IATA - AIR

<b>UN Number</b>	1263	<b>Classification</b>	Class 3 FLAMMABLE
<b>Shipping Name</b>	PAINT	<b>Subsidiary Risk</b>	none allocated
<b>Hazchem Code</b>	•3Y	<b>Packing Group</b>	III
<b>Environmental hazards</b>	none allocated	<b>Special Provisions</b>	none allocated

### IMDG - SEA

<b>UN Number</b>	1263	<b>Classification</b>	Class 3 FLAMMABLE
<b>Shipping Name</b>	PAINT	<b>Subsidiary Risk</b>	none allocated
<b>Hazchem Code</b>	•3Y	<b>Packing Group</b>	III
<b>Environmental hazards</b>	Marine pollutant: no	<b>Special Provisions</b>	none allocated
<b>EMS</b>	none allocated		

## SECTION 15 – REGULATORY INFORMATION

<b>GHS Classification</b>	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
<b>SUSMP</b>	S5 (HYDROCARBONS)
<b>ADG Code</b>	ADG Class 3 (PAINT)
<b>AICS</b>	All ingredients present on AICS.

# SAFETY DATA SHEET



*Date of Issue: OCTOBER 2017*

*Page 8 of 8*

## SECTION 16 – OTHER INFORMATION

<b>Issue Date</b>	4 <sup>th</sup> October 2017
<b>Version Number</b>	V 2.0 GHS CLASSIFICATION.
<b>Abbreviations and acronyms</b>	<p><b>ADG Code:</b> Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p><b>AICS:</b> Australian Inventory of Chemical Substances.</p> <p><b>CAS Number:</b> Chemical Abstracts Service Registry Number.</p> <p><b>GHS:</b> Globally Harmonized System of Classification and Labelling of Chemicals</p> <p><b>HAZCHEM:</b> An emergency action code of numbers and letters which gives information to emergency services.</p> <p><b>HSIS:</b> Hazardous Substances Information System</p> <p><b>IARC:</b> International Agency for Research on Cancer.</p> <p><b>NOHSC:</b> National Occupational Health and Safety Commission.</p> <p><b>NTP:</b> National Toxicology Program (USA).</p> <p><b>SDS:</b> Safety Data Sheet</p> <p><b>STEL:</b> Short Term Exposure Limit.</p> <p><b>SUSMP:</b> Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p><b>TWA:</b> Time Weighted Average.</p> <p><b>UN Number:</b> United Nations Number.</p>
<b>Literature references</b>	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice ( Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p> <p>“Australian Exposure Standards”. Safework Australia</p> <p>Australian Code For The Transport Of Dangerous Goods By Road And Rail</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Material Safety Data Sheets – individual raw materials – Suppliers</p> <p>HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base.</p> <p>HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.</p>
<b>Disclaimer</b>	<p>This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.</p>

**End of SDS**