


SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:	Solutions – Sealers for Stone & Tile.		
ADDRESS:	2/27 Central Park Drive, Yandina QLD 4561, Australia.		
Trade Name:	“PAVACRYL” HARD COAT		
TELEPHONE:	1300 4 STONE (78663)	FAX:	+ 61 7 5446 7381
AH EMERGENCY TELEPHONE:	13 1126 in Australia 0800 764 766 in New Zealand	ABN:	25 128 656 082
Substance:	Solvent Based Sealer.	Product Use:	Paint for impregnation and coating of tiles and mineral based pavers.
Creation Date:	April 2023	Revision Date:	April 2028
Product Code:			

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Poisons Schedule	S6 (XYLENE)
Dangerous Goods	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail". Flammable Class 3.2 UN 1263 PAINTS
GHS Classification	Based on available information, this material is classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS7) including Work, Health and Safety regulations, Australia. <ul style="list-style-type: none"> • Flammable liquids (Category 3) • Skin Corrosion/Irritation, Category 2 • Specific Target Organ Toxicity (Single exposure), Category 3 • Aspiration Hazard, Category 1 • Acute toxicity, Inhalation (Category 4) • Acute toxicity, Dermal (Category 4) • Reproductive Toxicity - Category 1B • Acute Aquatic Toxicity - Category 2
GHS Pictogram	
GHS Signal Word	DANGER

Hazard statement(s)

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H304	May be fatal if swallowed and enters airways
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H360	May damage fertility or the unborn child.
AUH066	Repeated exposure may cause skin dryness or cracking.
H401	Toxic to aquatic life.

Precautionary statement(s): General

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.



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Precautionary statement(s): Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources — No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash hands and skin thoroughly after handling.
P273	Avoid release to the environment.

Precautionary statement(s): Response

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P331	Do NOT induce vomiting.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/...if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P312	Call a POISON CENTER/doctor/...if you feel unwell.
P321	Specific measures (see First Aid Measures on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P370+P378	In case of fire: Use foam, water spray or fog, dry chemical powder or carbon dioxide to extinguish.
P391	Collect spillage.

Precautionary statement(s): Storage

P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P233	Keep container tightly closed.

Precautionary statement(s): Disposal

P501	Dispose of contents/ container in accordance with local regulations.
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Note

IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.
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SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Xylene isomers	1330-20-7	>60 % w/w
Acrylic polymer	Proprietary	10 - 30% w/w
Toluene	108-88-3	<10% w/w
Note – contains < 0.1% benzene		

NOTE: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from **Safe Work Australia**: Hazardous Chemical Information System (HCIS), European Chemicals Agency (ECHA), or have been found NOT to meet the criteria of a hazardous substance as defined in the Safe Work Australia 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 (GHS7)**. Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons	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).
First Aid Facilities Required	Eye wash station. Showering facility. Normal washroom facilities.
Inhalation	Remove person from contaminated area to fresh air. Avoid becoming a casualty. If irritation develops seek medical attention.
Skin contact	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.
Eye contact	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.
Ingestion	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.
Advice to Doctor	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

Fire and Explosion Hazards	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.
Extinguishing Media	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.
Fire Fighting	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.
Flash Point	~ 25 °C.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	HAZCHEM code : •3Y 3 = use foam extinguisher to fight fires. Y = Yes – risk of violent reaction, recommend breathing apparatus, contain. ➤ Shut off engine and electrical equipment off.
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	<ul style="list-style-type: none"> ➤ No smoking or naked lights within 50 metres. ➤ Move people from immediate area; keep upwind. ➤ Send messenger to notify fire brigade and police. ➤ Tell them location, material quantity, UN number and emergency contact. Indicate condition of vehicle and damage or injuries observed. ➤ Warn other traffic.
Occupational Release	<p>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 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.</p> <p>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.</p>

SECTION 7 – HANDLING AND STORAGE

Handling	<p>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.</p>
Storage	<p>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.</p>

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	<p>National Occupational Exposure Limits, as published by SAFEWORK AUSTRALIA:</p> <p>Time-weighted Average (TWA): None established for product.</p> <ul style="list-style-type: none"> • Xylene: 350mg/m³ (80ppm) TWA (8hr) • Toluene: 191mg/m³ (50ppm) TWA (8hr) <p>Short Term Exposure Limit (STEL): None established for product.</p> <ul style="list-style-type: none"> • Xylene: 655mg/m³ (150ppm) STEL • Toluene: 574 mg/m³ (150 ppm)
Engineering Controls	<p>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.</p>
Personal Protective Equipment	<p>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;</p>

Eye Protection 	<p>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.</p>
Skin Protection 	<p>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.</p>
Protective Material Types	<p>Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.</p>
Respirator 	<p>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.</p>

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid	Colour	colourless
Odour	Strong aromatic odour	Specific Gravity	~ 0.92
Boiling Point	IBP: ~ 136 °C, FBP: ~ 145 °C	Freezing Point	Approximately -48 °C
Vapour Pressure	Typical: 0.2 kPa @ 0°C, 1 kPa @ 20°C, 4.5kPa @ 50°C	Vapour Density	3.7 (air = 1)
Flash Point	Approximately 25 °C	Flammable Limits	1.0 - 7.1 %
Water Solubility	0.175 kg/m ³	pH	neutral
Volatile Organic Compounds (VOC)	~ 70% v/v	Coefficient of Water/Oil Distribution	Log Pow 3.12 – 3.2
Viscosity	Not available	Odour Threshold	Not available
Evaporation Rate	Not available	Per Cent Volatile	~ 70% v/v
Odour Threshold	0.27 ppm	Evaporation Rate	0.76 (n-Butyl Acetate = 1)

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Stable at normal temperatures and pressure.
Conditions to Avoid	Avoid contact with incompatible materials. Avoid contact with heat, flames, sparks.
Incompatibilities	Strong oxidizing agents or acids.
Hazardous Decomposition	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:

Inhalation	Harmful by inhalation. Vapours will cause dizziness and drowsiness. There is the possibility of organ damage over prolonged use or exposure. Central Nervous System depression includes nausea, headaches, dizziness, and possibly loss of consciousness.
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Skin contact	Brief contact not expected to be irritating. LD50 Dermal - rabbit - > 1,700 mg/kg. May include burning sensation, redness, swelling and/or blisters.
Eye contact	Mildly irritating to the eyes, which can result in redness and lachrymation. May include burning sensation, redness, swelling and/or blurred vision.
Ingestion	If swallowed, may cause lung damage on vomiting. Will cause central nervous system depression. May cause discomfort on swallowing. Vapours will cause drowsiness and dizziness and ingestion may result in headaches and nausea. Vomiting may cause the product to be aspirated to the lungs, possibly resulting in chemical pneumonitis.
Chronic exposure	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.
Toxicology Information	Not classified as ‘toxic’, based on ingredients. Oral LD50 (ATE calculated) : >2000 mg/kg
Carcinogen Status	
SAFework AUSTRALIA	No significant ingredient is classified as carcinogenic by SAFework.
NTP	No significant ingredient is classified as carcinogenic by NTP.
IARC	3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene). This product may contain 0.1 to 1% of ethylbenzene. IARC has evaluated ethylbenzene and classified it as a "possible human carcinogen" (Group 2B) based on sufficient evidence for cancer in exposed humans. This product may contain 0.1 to 1% naphthalene. The IARC evaluated naphthalene and concluded that there was sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Accordingly, IARC classified naphthalene as a possible human carcinogen (Group 2B).
Respiratory sensitisation	Not expected to be a respiratory sensitizer.
Skin Sensitisation	Not expected to be a skin sensitizer.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	TOLUENE: Classified as a Reproductive Toxin Category 1A.
STOT-single exposure	Specific Target Organ Toxicity Category 3 – Respiratory irritant.
STOT-repeated exposure	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.
Aspiration Hazard	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

SECTION 12 – ECOLOGICAL INFORMATION

Acute aquatic Toxicity Product (as sold)	Toxic to aquatic life. Acute Aquatic Toxicity – Category 2. Acute Aquatic Toxicity (Calculated) LC50: 1 - 10 mg/L.
Persistence and degradability	Biodegradable, based on ingredients. Stated to be biodegradable, and oxidize rapidly by photochemical reactions in air; integrated environmental half-life expected to be < 1 day.
Bio accumulative potential	No bioaccumulation is expected.
Mobility in soil	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
Other adverse effects	Not available
Environmental Protection	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.

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.
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SECTION 14 – TRANSPORT INFORMATION

ADG CODE – ROAD & RAIL

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

IATA - AIR

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

IMDG - SEA

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

SECTION 15 – REGULATORY INFORMATION

GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	S6 (XYLENE)
ADG Code	ADG Class 3 (PAINT)
AICS	All ingredients present on AICS.

SECTION 16 – OTHER INFORMATION

Issue Date	19 th April 2023
Version Number	V 5.0 GHS7 CLASSIFICATION.
Abbreviations and acronyms	<p>ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS: Australian Inventory of Chemical Substances.</p> <p>CAS Number: Chemical Abstracts Service Registry Number.</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.</p> <p>HSIS: Hazardous Substances Information System</p> <p>IARC: International Agency for Research on Cancer.</p> <p>NOHSC: National Occupational Health and Safety Commission.</p> <p>NTP: National Toxicology Program (USA).</p> <p>SDS: Safety Data Sheet</p> <p>STEL: Short Term Exposure Limit.</p> <p>SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>TWA: Time Weighted Average.</p> <p>UN Number: United Nations Number.</p>
Literature references	Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia) GHS Hazardous Chemical Information List (Safe Work Australia)



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Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.
Global Harmonized System of Classification and Labelling of Chemicals (GHS7)
“Australian Exposure Standards”. Safework Australia
Australian Code For The Transport Of Dangerous Goods By Road And Rail
Standard for the Uniform Scheduling of Medicines and Poisons
Safety Data Sheets – individual raw materials – Suppliers
HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base.
HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.

Disclaimer

This SDS 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 SDS 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.

End of SDS