



# MATERIAL SAFETY DATA SHEET

## PORCELAIN SEALER

### SECTION 1 – IDENTIFICATION

**Product Name** Porcelain Sealer  
**Recommended Use** Porcelain & Stone Sealer  
**Supplier** TASMAN CHEMICALS PTY LTD  
**ACN :** 005 072 659  
**Street Address** 1-7 Bell Grove, Braeside ,  
Victoria 3195 AUSTRALIA  
**Telephone Number** (03) 9587 6777  
**Facsimilie** (03) 9587 5255  
**Email** taschem@taschem.com.au  
**Website** www.tasmanchemicals.com.au

**Emergency Telephone Number** 1 800 334 556

### SECTION 2 – HAZARDS IDENTIFICATION

#### Hazardous according to criteria of Safe Work Australia.

Hazard Category : Xn (Harmful), F ( Flammable )

#### Risk Phrases

R10 Flammable  
R20/21 Harmful by inhalation and in contact with skin  
R37/38 Irritating to respiratory system and skin  
R50/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment  
R65 Harmful: may cause lung damage if swallowed  
R67 Vapours may cause drowsiness and dizziness.

#### Safety Phrases

S2 Keep out of reach of children  
S9 Keep container in a well-ventilated place  
S16 Keep away from sources of ignition - No smoking.  
S29 Do not empty into drains  
S33 Take precautionary measures against static discharges  
S60 This material and its container must be disposed of as hazardous waste  
S61 Avoid release to the environment.  
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Porcelain Sealer** is classified as **Dangerous Goods Class 3** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Proportion (%m/m)</u>
Heptane	142-82-5	VH
Octyl Triethoxy Silane	2943-75-1	L
<b>VH&gt;60% H&gt;30-60% M=10-30% L=&lt;10%</b>		

Issue No 3  
Issue Date : 14/04/2011

Page 1 of 4  
Prepared By :  
*Keith Sadlier*

## SECTION 4 – FIRST AID MEASURES

### First Aid

- Swallowed:** If swallowed DO NOT induce vomiting. Wash out mouth with water. Where vomiting occurs naturally have head below hip level in order to reduce risk of aspiration Seek immediate medical assistance or contact the Poisons Information Centre immediately.
- Eye:** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised by the Poisons Information Centre or a doctor, or for at least 15 minutes
- Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with soap and water. If symptoms develop seek medical attention
- Inhaled** Remove victim from source of contamination or move victim to fresh air. Allow patient to assume most comfortable position. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Seek medical attention if effects persist.

### Advice to Doctor

Treat symptomatically or consult the Poisons Information Centre

## SECTION 5 – FIRE FIGHTING MEASURES

### Fire/Explosion Hazard

FLAMMABLE. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition. Prevent build-up of flammable vapours. Hoses should be electrically continuous and containers bonded to avoid static charge build-up. Keep the container tightly closed

### Extinguishing Media

Dry chemical, foam or carbon dioxide. Water spray may be used to keep fire expose containers cool

### Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face operated in the pressure demand or other positive pressure mode

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Spills

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (eg vermiculite, dry sand, or earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Place used absorbent in suitable sealed containers, follow state or local authority regulations and guidelines for the disposal of the waste. Clean area with detergent and water – do not allow product to enter drains sewers or watercourses – inform the local authorities if this occurs.

## SECTION 7 – HANDLING AND STORAGE

- Handling :** Open containers cautiously as containers may be under pressure. Use only in a well ventilated area. Avoid skin, eye contact and breathing vapour
- Storage :** Store in a well-ventilated place away from ignition sources, foodstuffs and clothing. Keep containers closed when not in use. Take precautions against static electricity discharges.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits :

EXPOSURE LIMITS:	Name	TWA	STEL		
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
	Heptane	400	1640	500	2050

Issue No 3  
Issue Date : 14/04/2011

Page 2 of 4  
Prepared By :  
*Keith Sadlier*

Exposure Standards (TWA) is the time-Weighted average airborne concentration over an eight-hour working day, for a five day working week over an entire working life. According to current knowledge this concentration should neither impair the health or, cause undue discomfort to, nearly all workers.

STEL (Short Term Exposure Limit): the average airborne concentration over a 15 minute period that should not be exceeded at any time during a normal eight-hour work day.

NOTICE : Absorption through the skin may be a significant source of exposure

**Engineering Control Measures** : Provide sufficient ventilation to keep airborne levels below exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate a flameproof ventilation system is required

**Personal Protective Equipment** :

- Eye: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.
- Hands: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
- Other: Overalls and protective footwear.
- Respirator: If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. An organic vapour respirator ( AS 1715/1716) is the recommended respirator recommended for this product

Always wash hands before eating, drinking, smoking or using the toilet.

Wash contaminated clothing and other protective equipment before storage and reuse.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Odour:	Clear Liquid	Solubility:	Immiscible in water
Melting Point:	Not Applicable	Flash Point:	< 10°C ( closed cup )
Boiling Point:	55°C (approximately)	Vapour Pressure	8 mm Hg @ 20°C
Specific Gravity:@ 25°C	0.72	Flammable Limits:	LEL 1.0; UEL 7.0

**SECTION 10 – STABILITY AND REACTIVITY**

- Stability** Incompatible with Strong oxidizing agents and strong acids
- Reactivity** Flammable. Avoid heat and sources of ignition. Prevent build-up of flammable vapours.

**SECTION 11 – TOXOLOGICAL INFORMATION**

**Health Effects**

No adverse health effects expected if the material is handled in accordance with the Material Safety Data Sheet. Symptoms that may arise if the material is mishandled are :

**Acute Effects**

- Swallowing: Ingestion causes burning sensation in mouth and stomach, nausea, vomiting and salivation. Minute amounts aspirated into the lungs can produce a severe hemorrhagic pneumonitis with severe pulmonary injury or death. Oral LD50 (Xylene) = 4300 mg/kg (Rabbit)
- Eye: Vapors cause eye irritation. Splashes cause severe irritation, possible corneal burns and eye damage.
- Skin: Skin contact results in loss of natural oils and often results in a characteristic dermatitis. May be absorbed through the skin. Dermal LD50 ( Heptane ) = 2000 mg/kg (Rat)

Inhaled: Inhalation of vapours may be irritating to the nose and throat. Inhalation of high concentrations may result in nausea, vomiting, headache, ringing in the ears, and severe breathing difficulties which may be delayed in onset. Substernal pain, cough, and hoarseness are also reported. High vapour concentrations are anaesthetic and central nervous system depressants. Inhalation LC50 ( Rat ) = > 20mg/L / 4 hour - Heptane

### **Chronic Effects**

Chronic inhalation can cause headache, loss of appetite, nervousness and pale skin. Repeated or prolonged skin contact may cause a skin rash. Repeated exposure of the eyes to high concentrations of vapor may cause reversible eye damage. Repeated exposure can damage bone marrow, causing low blood cell count. May damage the liver and kidneys.

## **SECTION 12 – ECOLOGICAL INFORMATION**

Do NOT contaminate waterways. Toxic to aquatic organisms, may cause long term effects to the aquatic environment.

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

Dispose of waste according to federal, EPA and state regulations. If possible contain spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute BUT contain. If large quantities of this material enters the waterways contact the Environmental Protection Authority or you local Waste Management Authority

## **SECTION 14 – TRANSPORT INFORMATION**

Classified as a Dangerous Good by the Criteria of the Australian Dangerous Good Code

Proper Shipping Name :	FLAMMABLE LIQUID, N.O.S.	Dangerous Goods Class :	3
UN Number :	1206	Packing Group :	II
Hazchem Code :	3YE		
Subsidiary Risk :	Not applicable		

## **SECTION 15 – REGULATORY INFORMATION**

<b>Classification</b>	Based upon information, classified as hazardous according to criteria of Safe Work Australia
<b>Poisons Schedule</b>	Schedule 6

## **SECTION 16 – OTHER INFORMATION**

Contact Points

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>	<b>Ask For</b>
Tasman Chemicals Pty Ltd	Braeside, Victoria, Australia	(03) 9587 6777	Technical Manager
Poisons Information Centre		13 1126	

MSDS are updated frequently. Please ensure that you have a current copy.

*This MSDS summarises our best knowledge of the health and safety hazard information of the product; how to safely handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Tasman Chemicals Pty Ltd. Our responsibility for products sold are subject to our standard terms and conditions, a copy of which appears on all invoices. It is also available on request. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used including good industrial hygiene.*