

# SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

## 1. IDENTIFICATION

**Product Name:** VersEseal Crystal Clear SXL Over Tile Coating Part C  
**Chemical Name:** Polymeric Aziridine  
**Other Means of Identification:** Mixture  
**Recommended Use:** Coupling and crosslinking agent for Liquid Applied Over Tile Coating for ceramic tiles  
**Restrictions on Use:** Not determined  
**Supplier:** LRM Products Pty Ltd  
**ABN:** 98 158 623 753  
**Address:** 4/2 Link Drive, Yatala, QLD 4207  
**Telephone:** +61 7 3807 2545  
**Emergency Phone:** **+61 7 3807 2545**  
**For advice, contact Poisons Information Centre (Phone Australia: 131 126) or a doctor.**  
**All other inquiries:** [lrmprouducts.com.au](http://lrmprouducts.com.au)

## 2. HAZARDS IDENTIFICATION

### Hazard Classification

#### Health Hazards

Sensitisation of the skin, Category 1 (H317)

### Label elements

#### GHS-Labeling



Warning

#### Hazardous components which must be listed on the label

Polymeric Aziridine

#### Hazard statements:

H317 May cause an allergic skin reaction.

#### Precautionary statements:

P261 Avoid breathing mist or vapours.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/ container to an approved waste disposal plant.

HAZARDOUS according to the criteria of NOHSC NON-DANGEROUS GOODS

**Other hazards**

No information available.

### 3. **COMPOSITION: Information on Ingredients**

**Type of product:** Mixture

**Mixtures:** Crosslinker

**Hazardous components**

Polymeric Aziridine

Concentration [wt.-%]:  $\geq 25 - < 50$

GHS Classification: Skin Sens. 1 H317

### 4. **FIRST AID MEASURES**

**Description of necessary first-aid measures**

**General advice:**

For effective first-aid, special training / education is needed.

**If inhaled:**

Take the person into the fresh air and keep him warm, let him rest; if there is difficulty in breathing, medical advice is required. Oxygen or artificial respiration if needed. If breathing is irregular or stopped, administer artificial respiration. Obtain medical attention. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear.

**In case of skin contact:**

In the case of hazardous fumes, wear self contained breathing apparatus. In case of skin contact wash affected areas thoroughly with soap and plenty of water. Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Wash contaminated clothing before re-use. Thoroughly clean shoes before reuse. Consult a doctor in the event of a skin reaction.

**In case of eye contact:**

Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist. Remove contact lenses. Eye contact may provoke the following symptoms irritant effects eye redness

**If swallowed:**

Rinse mouth. Do not induce vomiting without medical advice. If symptoms persist, call a physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Keep respiratory tract clear. If unconscious, place in recovery position and seek medical advice. If victim is conscious: Give small amounts of water to drink.

**Most important symptoms and effects, both acute and delayed**

**Notes to physician:**

Basic first aid, decontamination, symptomatic treatment. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Indication of any immediate medical attention and special treatment needed**

**Therapeutic measures:** No information available.

## **5. FIRE FIGHTING MEASURES**

### **Extinguishing media**

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### **Special hazards arising from the substance or mixture**

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

In the event of fire and/or explosion do not breathe fumes. Formation of carbon monoxide, carbon dioxide and other toxic gases in the event of fire or during thermal decomposition. Fire will produce dense black smoke containing hazardous combustion products (see section 10). In case of fire, may produce hazardous decomposition products such as: Acrylate monomers  
Aldehydes  
Organic acids

### **Advice for fire-fighters**

Use personal protective equipment. Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Immediately evacuate personnel to safe areas. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

Immediately evacuate personnel to safe areas. Use personal protective equipment. Put on protective equipment (see section 8). Avoid breathing mist or vapours. Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away. In case of insufficient ventilation, wear suitable respiratory equipment.

### **Environment related measures**

Do not allow to escape into waterways, wastewater or soil. If the product contaminates rivers and lakes or drains inform respective authorities. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **Methods and material for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste.

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Dispose of wastes in an approved waste disposal facility.

Do not discharge large quantities of concentrated spills or residues into surface water or sanitary sewer system.

### **Reference to other sections**

For personal protection see section 8. For further disposal measures see section 13.



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OVER TILE COATING PART C**

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Persons who suffer from skin complaints or other hypersensitivity reactions of skin should not work with the product. Smoking, eating and drinking should be prohibited in the application area. Wash skin thoroughly after handling. For personal protection see section 8. Remove contaminated clothing and protective equipment before entering eating areas. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe mist or vapours. In case of insufficient ventilation, wear suitable respiratory equipment. Do not re-use empty containers.

The personal protective measures described in section 8 must be observed.

Keep away from foodstuffs, drinks and tobacco. Wash hands and face before breaks and at the end of work. Keep working clothes separately. Change contaminated or soaked clothing immediately.

In case of release, clean up thoroughly. Clean or dispose equipment and residues properly without contaminating soil or water ways.

### **Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Protect against heat and direct sunlight. When not in use, keep containers tightly closed. Keep in properly labelled containers. Use appropriate container to avoid environmental contamination. Store locked up.

Recommended storage temperature: 5 - 40 °C

Further information on storage stability: Protect from frost.

### **Specific end use(s)**

No information available.

## **8. EXPOSURE CONTROLS: PERSONAL PROTECTION**

### **Control parameters**

Contains no substances with occupational exposure limit values.

### **Exposure controls**

#### **Appropriate engineering controls**

Ensure adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### **Respiratory protection**

Respirator with a gas filter if spraying.

#### **Hand protection**

Conditionally suitable materials for protective gloves; EN 374:  
Butyl rubber - IIR (>= 0.5 mm); Break through time: < 60 min  
Contaminated and/or damaged gloves must be changed.

#### **Eye protection**

Safety glasses with side-shields

#### **Skin and body protection**

Complete suit protecting against chemicals.

#### Further protective measures

Wear suitable protective equipment. When using do not eat, drink or smoke. Ensure that eyewash stations and safety showers are close to the workstation location. Take off contaminated clothing and wash it before reuse. Wash face, hands and any exposed skin thoroughly after handling. Use appropriate degowning techniques to remove potentially contaminated clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state:	liquid at 20 °C at 1.013 hPa
Appearance:	liquid
Colour:	yellow
Odour:	solvent-like
Odour Threshold:	not established
pH:	substance/mixture is non-polar/aprotic
Melting point/freezing point:	not established
Boiling point/boiling range:	> 100 °C
Flash point:	65 °C, closed cup
Evaporation rate:	not established
Flammability:	not established
Burning number:	not established
Upper/lower flammability or explosive limits:	not established
Vapour pressure:	not established
Relative vapour density:	not established
Density:	1 g/cm <sup>3</sup> at 20 °C
Bulk density:	1.000 kg/m <sup>3</sup> at 25 °C
Miscibility with water:	miscible
Water solubility:	not established
Surface tension:	not established
Partition coefficient (n-octanol/water):	not established
Auto-ignition temperature:	not established
Ignition temperature:	not established
Decomposition temperature:	not established
Heat of combustion:	not established
Viscosity, dynamic:	20 - 500 mPa.s at 20 °C
Viscosity, kinematic:	not established
Explosive properties:	not established
Dust explosion class:	not established
Oxidising properties:	not established

### Other information

The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	None known.
<b>Chemical Stability:</b>	This information is not available.
<b>Possibility of hazardous reactions:</b>	No hazardous reactions when stored and handled correctly. Stable under normal conditions.
<b>Conditions to avoid:</b>	Heat, flames and sparks. Exposure to sunlight.
<b>Incompatible Materials:</b>	no data available.
<b>Hazardous Decomposition Products:</b>	This information is not available.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<b>Acute toxicity, oral</b>	No data available.
<b>Acute toxicity, dermal</b>	No data available.
<b>Acute toxicity, inhalation</b>	No data available.
<b>Primary skin irritation</b>	No data available.
<b>Primary mucosae irritation</b>	No data available.
<b>Sensitisation</b>	Polymeric Aziridine Skin sensitization (local lymph node assay (LLNA)): Species: Mouse Result: positive Classification: May cause sensitization by skin contact. Method: OECD Test Guideline 429
<b>Subacute, subchronic and prolonged toxicity</b>	No data available.
<b>Carcinogenicity</b>	No data available.
<b>Reproductive toxicity/Fertility</b>	No data available.
<b>Reproductive toxicity/Developmental Toxicity/Teratogenicity</b>	No data available.
<b>Genotoxicity in vitro</b>	Polymeric Aziridine Test type: Ames test Test system: Escherichia coli Metabolic activation: with/without Result: negative Method: OECD Test Guideline 471 Test type: Ames test Test system: Salmonella typhimurium Metabolic activation: with/without Result: negative Method: OECD Test Guideline 471
<b>Genotoxicity in vivo</b>	No data available.
<b>STOT evaluation – one-time exposure</b>	No data available.
<b>STOT evaluation – repeated exposure</b>	No data available.
<b>Aspiration toxicity</b>	No data available.

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	No data available.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Results of PBT and vPvB assessment</b>	No data available.
<b>Other adverse effects</b>	No data available.

## 13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. Reference number 2008/98/EC  
 Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. The classification of the product may meet the criteria for a hazardous waste. Offer surplus and non-recyclable solutions to a licensed disposal company. Do not dispose of waste into sewer.

### Waste treatment methods

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Empty containers retain residue and can be dangerous. Containers must be recycled in compliance with national legislation and environmental regulations. Dispose of empty containers and wastes safely. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Where possible recycling is preferred to disposal or incineration.

No disposal into waste water.

## 14. TRANSPORT INFORMATION

### ADG7 -

#### Australia

UN number or ID number :	Not dangerous goods
UN proper shipping name :	Not dangerous goods
Transport hazard class(es) :	Not dangerous goods
Packing group :	Not dangerous goods
Environmental hazards :	Not dangerous goods

#### IATA

UN number or ID number :	Not dangerous goods
UN proper shipping name :	Not dangerous goods
Transport hazard class(es) :	Not dangerous goods
Packing group :	Not dangerous goods
Environmental hazards :	Not dangerous goods

#### IMDG

UN number or ID number :	Not dangerous goods
UN proper shipping name :	Not dangerous goods
Transport hazard class(es) :	Not dangerous goods
Packing group :	Not dangerous goods
Marine pollutant :	Not dangerous goods

**Special precautions for user**

See section 6 - 8.

Additional information: Not dangerous cargo. Keep separated from foodstuffs.

**Maritime transport in bulk according to IMO instruments**

Product is not transported by us in bulk.

## **15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No poison schedule number allocated

## **16. OTHER INFORMATION**

**Reasons for Issue:** New product; amalgamated supplier and regulatory updates 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>
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus>
- Ecotoxicology data: <https://cfpub.epa.gov/ecotox>

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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 LRM Products Pty Ltd.

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