



### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Name of substance/preparation: SIMSHIELD - TRAFFIC SEAL / Combined  
Commercial product name: SIMSHIELD - TRAFFIC SEAL  
Use of substance: Commercial and Industrial.  
Binder: Waterproofing, road surfacing, concrete sealing  
Areas of application: As agreed upon by the Applicator/ Engineer/Manufacturer.  
Company name: SIMSEAL PTY LTD  
Address: Unit 8/33-43 Meakin Road Meadowbrook QLD, 4131  
Phone: 1300 SILICONE  
Email: [info@simseal.com.au](mailto:info@simseal.com.au)  
Emergency Information: 13 11 26 (Poisons Information Centre)

### 2. HAZARDS IDENTIFICATION

Classification: Non-Hazardous Chemical according to Australian GHS criteria. Non Dangerous Goods according to the Australian Dangerous Goods Code (ADG Code) for transport by road, sea, rail and air. Non hazardous substance or mixture.

*Contains chloromethylisothiazolinone and methylisothiazolinone (3:1), 1,2-benzisothiazolone. May produce an allergic reaction.*

### 3. COMPOSITION /INFORMATION ON INGREDIENTS

Chemical characteristics: Copolymer of: vinyl acetate + ethylene (dispersion in water)  
Does not contain any reportable hazardous ingredients

### 4. FIRST-AID MEASURES

General information: Under ordinary workplace conditions: No special measures required.  
After contact with the eyes: Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.  
After contact with the skin: Wash with plenty of water or water and soap. Seek medical advice in case of continuous irritation.  
After inhalation: No special measures required.  
After swallowing: In cases of sickness seek medical advice (show label if possible).  
Advice for the physician: Due to its physical properties, may cause irritation. Product may agglutinate in the gastro-intestinal tract. Medical assistance should be sought. Depending on the symptoms, invasive measures may be necessary. Further toxicology information in section 11 must be observed.

### 5. FIRE FIGHTING MEASURES

#### Extinguishing media

Suitable extinguishing media: Not applicable  
Extinguishing media which must not be used for safety reasons: Not applicable  
Special hazards arising from the substance or mixture at low oxygen level: Acetic acid.

#### Advice for Fire Brigade

Special protective equipment for fire fighting: Use respiratory protection independent of recirculated air.

#### General information

Product does not burn. Use extinguishing measures appropriate to the source of the fire. Dried up material is combustible.



**6. ACCIDENTAL RELEASE MEASURES**

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

Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.

**Environmental precautions**

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material.

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

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

General information:

No special protective measures required.

Precautions for safe handling:

Spilled substance increases risk of slipping.

Precautions against fire and explosion:

No special precautions against fire and explosion required.

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

Conditions for storage rooms and vessels:

Protect against frost.

Advice for storage of incompatible materials:

Not applicable

Further information for storage:

Not applicable

Min temperature for storage and transportation:

0 °C

Regulations and standards (Australia):

Store and handle in accordance with Work Health & Safety Regulations or Occupational Health & Safety Regulations.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION EQUIPMENT**

**Control parameters**

Maximum airborne concentrations at the workplace:

Not applicable

**Exposure controls**

**Exposure in the work place limited and controlled**

General protection and hygiene measures:

Do not eat or drink when handling.

**Personal protection equipment**

Respiratory protection:

Not required

Eye protection:

Protective goggles

Hand protection:

Rubber gloves

Skin protection:

Not required

**Exposure to the environment limited and controlled**

Prevent material from entering surface waters and soil.

Further information for system design and engineering measures:

No special measures required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information:

Physical state/form:	Liquid
Colour:	White
Odour:	Weak
pH-value:	4.0 – 6.0
Melting point / melting range:	Approx. 0.00 °C
Boiling point / boiling range:	Approx. 100 °C at 1013 hPa
Flash point:	Not applicable
Evaporation rate:	No data available
Lower explosion limit (LEL):	Not applicable
Vapour pressure:	23 hPa at 20 °C
Water solubility / miscibility:	Moderately soluble
Relative gas/vapour density:	No data known
Relative Density:	Approx. 1.07 (20 °C) (Water / 4 °C = 1.00)
Density:	Approx. 1.07 g/cm <sup>3</sup> (20 °C)
Partition coefficient: n-octanol/water:	No data known.
Ignition temperature:	Not applicable
Viscosity (dynamic):	1900 - 2800 mPa.s at 25 °C
Molecular mass:	Not applicable

## 10. PHYSICAL AND CHEMICAL PROPERTIES

### Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

**Conditions to avoid:** None known

**Incompatible materials:** None known

### Hazardous decomposition products

If stored and handled properly: None known

At increased temperature: Acetic acid

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity

Assessment: Based on the available data acute toxic effects are not expected after single oral exposure.

Exposure route	Result/Effect	Species/Test system	Source
Oral	LD <sub>50</sub> : > 2000 mg/kg	rat	Conclusion by analogy OECD 423

#### Skin corrosion/irritation

Assessment: Based on the available data a clinically relevant skin irritation hazard is not expected.

Exposure route	Result/Effect	Species/Test system	Source
Skin contact	Not irritating	Rabbit	Conclusion by analogy OECD 404

#### Serious eye damage / eye irritation

Assessment: Based on the available data a clinically relevant eye irritation hazard is not expected.

Exposure route	Result/Effect	Species/Test system	Source
Eye contact	Not irritating	Rabbit	Conclusion by analogy OECD 405

#### Respiratory or skin sensitization

Assessment: Based on the available data a sensitization reaction is not expected from this product.

Exposure route	Result/Effect	Species/Test system	Source
Dermal	Not sensitizing	mouse; LLNA (local lymph node assay)	Conclusion by analogy OECD 429

#### Germ cell mutagenicity

Assessment: Based on known data a significant mutagenic potential may be excluded

Result/Effect	Species/Test system	Source
Negative	mutation assay (in vitro) bacterial cells	Conclusion by analogy OECD 471

#### Carcinogenicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

#### Reproductive toxicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

#### Specific target organ toxicity (single exposure)

Assessment: For this endpoint no toxicological test data is available for the whole product.

#### Specific target organ toxicity (repeated exposure)

Assessment: For this endpoint no toxicological test data is available for the whole product.

#### Aspiration hazard

Assessment: Based on the physical-chemical properties of the product no aspiration hazard must be expected.

#### Further toxicological information

No information on damage to health during manufacture and use.

## 12. ECOLOGICAL INFORMATION

### Toxicity

**Assessment:** No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

Result/Effect	Species/Test system	Source
LC <sub>50</sub> : > 100 mg/l	Rainbow trout ( <i>Oncorhynchus mykiss</i> ) (96 h)	Conclusion by analogy OECD 203
EC <sub>10</sub> : > 1000 mg/l	Sludge (0.5 h)	Conclusion by analogy

### Persistence and degradability

**Assessment:** Polymer component: Not readily biodegradable. Elimination by adsorption to activated sludge. Separation by flocculation is possible.

### Bioaccumulative potential

**Assessment:** No adverse effects expected.

### Mobility in soil

**Assessment:** No adverse effects expected.

### Other adverse effects

None known

### Additional information

According to present knowledge, no adverse influence to environment expected.

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### Material

**Recommendation:** Dispose of according to the regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

#### Uncleaned packaging

**Recommendation:** Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local /state/federal regulations.

**Recommended cleaning agent:** Water

## 14. TRANSPORT INFORMATION

### UN number; UN proper shipping name; Transport hazard class(es); Packing group

#### Land transport ADG Code (road and rail):

Valuation: Not regulated for transport

#### Transport by sea IMDG-Code:

Valuation: Not regulated for transport

#### Air transport ICAO-TI/IATA-DGR:

Valuation: Not regulated for transport

### Environmental hazards

Hazardous to the environment: No

### Special precautions for user

Relevant information in other sections has to be considered.

### Transport in bulk according to Annex II of MARPOL and the IBC Code

Bulk transport in tankers is not intended

## 15. REGULATORY INFORMATION

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

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

### Poisons Standard (Standard for the Uniform Scheduling of Medicines and Poisons; SUSMP)

#### Poisons Schedule number:

Not a Scheduled Poison.

#### Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

South Korea (Republic of Korea): **ECL** (Existing Chemicals List):

This product is listed in, or complies with, the substance inventory.

Japan: **ENCS** (Handbook of Existing and New Chemical Substances):

This product is listed in, or complies with, the substance inventory.

Australia: **AICS** (Australian Inventory of Chemical Substances):

This product is listed in, or complies with, the substance inventory.

People's Republic of China: **IECSC** (Inventory of Existing Chemical Substances in China):

This product is listed in, or complies with, the substance inventory.

Canada: **DSL** (Domestic Substance List):

This product is listed in, or complies with, the substance inventory.

Philippines: **PICCS** (Philippine Inventory of Chemicals and Chemical Substances):

This product is listed in, or complies with, the substance inventory.

United States of America (USA): **TSCA** (Toxic Substance Control Act Chemical Substance Inventory):

This product is listed in, or complies with, the substance inventory.

Taiwan (Republic of China): **TCSI** (Taiwan Chemical Substance Inventory):

This product is listed in, or complies with, the substance inventory.

General note: Taiwan REACH requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.

European Economic Area (EEA): **REACH** (Regulation (EC) No 1907/2006):

General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.



**16. OTHER INFORMATION**

**Material**

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

**Further information:**

This SDS supersedes all previous versions.

**Glossary of Terms:**

CAS No. - Chemical Abstracts Service Registry Number

UN No. - United Nations Dangerous Goods Number

ADG Code - Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road & Rail

IMDG Code - International Maritime Dangerous Goods Code

IATA Regs - International Air Transport Association (IATA) Dangerous Goods Regulations

NOHSC - Australian National Occupational Health and Safety Commission

OEL - Occupational exposure limit in Great Britain

AGW - Occupational exposure limit in Germany

ES\_AU - Occupational exposure standard in Australia

**- END OF SAFETY DATA SHEET -**