

SEALCO WATERPROOFING SYSTEMS

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Material Safety Data Sheet

1. Product name/ Company profile

PolySEAL
Paint Related Product

Sealco Waterproofing Systems
31 Newtown Street
Christchurch
New Zealand

2. Composition/information on ingredients

Polyol based PU resin

3. Hazards Identification

Harmful by inhalation and in contact with skin. May cause sensitisation by inhalation.
Contains Isocyanates. See information supplied by manufacturer. Only for professional use.

For their own protection, persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and chronic bronchitis sufferer) should avoid handling this product.

4. First Aid measures

General: Take off immediately all contaminated clothing.

Inhalation: If aerosol or vapour is inhaled in high concentrations, take the person into the fresh air and keep him warm, let him rest: if there is difficulty in breathing, medical advice is required.

Skin contact: After contact with skin, wash immediately with plenty of water and soap.

Eye contact: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids open. A doctor should be consulted immediately.

Swallowing: Do not induce the patient to vomit, seek medical advice.

5. Fire fighting measures

Extinguishing media: CO₂, foam, dry powder.

In cases of larger fires, water spray should be used.

Further information: In case of fire, formation of carbon monoxide, nitrogen oxide, amines, isocyanate vapour, and traces of hydrogen cyanide is possible. Fire men have to wear self-containing breather apparatus.

6. Accidental release measures

Put on protective equipment.

Do not empty into drains.

Remove mechanically. Cover remains with damp, fluid-binding material (sand, sawdust, chemical binder based on calcium silicate hydrate). Transfer to waste container after approx. 1 hour and do not seal (CO₂ formation). Keep damp and in the open air in a safe place for 7 to 14 days.

7. Handling and Storage

Storage: Keep container tightly closed and dry. Avoid exposure to temperatures above 50 °C and below 5°C. Keep away from foodstuffs, drinks and tobacco.

Handling:

Observe the usual precautionary measures for chemicals.

8. Exposure Controls/Personal Protection

| | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory protection: | Respiratory protection is required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a charcoal or A2-P2 filter is recommended. |
| Hand protection: | Protective gloves for chemicals made out of fluorinated or butyl rubber. |
| Eye protection: | Goggles/face protection. |
| Body protection: | Protective clothing. |

Keep away from foodstuffs, drinks and tobacco. Keep working clothes separate. Wash hands before breaks and at end of work. Take off immediately all contaminated clothing.

9. Physical and chemical properties

| | |
|-----------------------|-----------------------------|
| Form | viscous liquid |
| Colour: | various |
| Odour: | Smell |
| Ignition temperature: | >200°C |
| Viscosity at 25 °C: | >2500-3500 cPs |
| Density: | 1.40-1.45 g/ml |
| Solubility in water: | insoluble reacts with water |

10. Stability and reactivity

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

Hazardous reactions: Exothermic reaction with amines and alcohols; reacts with water forming CO₂, in closed containers risk of bursting owing to increase of pressure.

11. Toxicological information

Effects on the eyes: Causes slight temporary reddening and swelling of the conjunctiva and slight reversible clouding of the cornea.

Effects on the skin: In case of longer contact with skin, tanning and irritating effects are possible. Delayed appearance of the symptoms and allergic reaction in susceptible persons possible.

12. Ecological information

Immiscible in water. Reacts with water at the interface producing CO₂ and forming a solid and insoluble product with high melting point. This reaction is accelerated by surfactants (e.g. detergents) or by water-soluble solvents.

14. Transport information:

NZ Road Transport, IMDG, IATA

Class:3

Risk no:3

UN No:1263

Sticker:3

Proper Shipping Name: Paint related materials

- Non Marine pollutant.

15. Regulatory information

Danger – flammable liquid

UN1263 Paint Related Material

Class 3.1 B Hazchem 3[Y]

Contains <5% aromatic hydrocarbon.

HSNO Code HSR002662

| <u>Classification</u> | <u>Statement</u> |
|-----------------------|---------------------------------------------------------|
| 3.1B | Flammable liquid |
| 6.1D oral | Acutely toxic if swallowed |
| 6.1D inhalation | Acutely toxic if inhaled |
| 6.3A | Irritating to the skin |
| 6.4A | Irritating to the eye |
| 6.5A | Respiratory Sensitiser |
| 6.5B | Contact Sensitiser |
| 6.8B | Suspected human reproductive or developmental toxicants |
| 6.9B inhalation | Harmful to human target organs or systems |
| 9.1D fish | Slightly harmful to aquatic environment |
| 9.1 D crustacean | Slightly harmful to aquatic environment |
| 9.1D algal | Slightly harmful to aquatic environment |

R 10: Flammable

R 20/21: Harmful at inhaling

S 1/2: Kept in closed area avoid to reach from children

S23: do not breathe aerosols

S36/37: use gloves, mask and eyeshield during working

S46: get medical advice immediately if swallowed

16. Other Information

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Version : 01

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