

MATERIAL SAFETY DATA SHEET

PLASTICURE

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Issued: 01/01/2022

Not classified as hazardous according to criteria of WorkSafe Australia & IATA.

Identification

Product name:	PLASTICURE
Other names:	Silane/siloxane emulsion
Manufacturer's code:	RPKR
UN number:	Not classed DG according to IATA
D.G. class:	Not allocated
Subsidiary risk:	Not allocated
Hazchem code:	Not allocated
Poisons schedule no:	Not allocated
Package group:	Not allocated

Use

Silane/siloxane emulsion is used as water repellent admixture for stabilised earth, rammed earth containing cement, pressed concrete masonry or similar applications.

Physical properties

Appearance:	Milky white emulsion
Boiling point:	≥100 °C
Vapour pressures (20 °C):	23hPa/20°C
Density (20 °C):	ca. 0.945 g/ml
Flash point:	>62 °C
Flammability limits (%):	Not allocated
Solubility in water:	Miscible

Other properties

Autoignition point:	395°C
Vapour density (air=1):	Not allocated
pH:	7-8
Viscosity:	12 mPa.s/25°C

Ingredients

Chemical entity	CAS number	Proportion
Silane/siloxane mixture	n/a	50%
Non hazardous additives	n/a	<5%
Water		To 100%

Hazard Health Information

Health Effects: To the best of our knowledge, the adverse health effects of this product as a whole have not been determined. However, normal industrial hygiene measures should be followed when handling chemicals.

Acute:

Swallowed: Harmful if swallowed. It may cause irritation to mouth, throat and stomach.

Eye: Silane/siloxanes may cause eye irritation.

Skin: Silane/siloxanes may be irritating to the skin.

Inhaled: It may cause irritation to the mucous membranes and respiratory tract. Over exposure can result in drowsiness, nausea, vomiting and dizziness. An aerosol mist of the silane and siloxane may cause lung damage if inhaled.

Chronic: Not known.

First Aid:

Swallowed: If swallowed, do not induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person. Get prompt medical attention.

Eye: Flush eyes with copious amounts of water for at least 15 minutes. Obtain medical attention.

Skin: Remove contaminated clothing and wash skin thoroughly. Wash clothing before reuse. Seek medical advice if effects persist.

Inhaled: Remove affected victim from exposure area to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek prompt medical advice.

First Aid Facilities: Washing facilities are strongly recommended for handling chemicals.

Advice to Doctor: Treat symptomatically.

Precautions For Use

Exposure Standards: There is no data allocated with this product. Ethanol may release from the hydrolysis of the silane, the standard exposure of ethanol is: 1000ppm (TWA)

Engineering Controls: Keep away from sources of ignition. Take precautionary measures against static discharges. Provide sufficient ventilation. Use local exhaust ventilation if need.

Personal Protection: Wear chemical resistant safety glasses or goggles, gloves and protective clothing. Wear approved respiratory protection (AS1716/1715) if there is a risk of exposure to intensive vapour concentrations. Wash hands after handling.

Flammability: This product contains 50% combustible organic liquid. Avoid heat and all ignition sources. Use only in well ventilated areas.

Safe Handling Information

Storage and Transport: Consult AS1940 and relevant state or territory regulations on safe storage and handling. Store under 25°C in a cool and well-ventilated area away from any heat and ignition sources.

Spills and disposal: Wear full protective clothing while attending to spills. Extinguish all ignition sources. Prevent entry into drainage systems, sewers and waterways. Collect with inert absorbent material such as sand or earth. Ensure waste disposal conforms to local waste disposal regulations.

Fire/Explosion Hazard: Shut and remove ignition sources if safe to do so. Use dry powder, sand, and foam and/or carbon dioxide extinguisher. Wear a breathing apparatus and full protective measures while attending to the hazard. Prevent the product from entering drains or waterways. Hazard decomposition products may include carbon oxides, silicone dioxide and traces of formaldehyde.

Other Information

Toxicity data: Not known

Contact Point For further information please contact Tech-Dry tel: 61 3 9699 8202 (all hours).

Important Note

To the best of our knowledge, the information sources for the preparation of this document were correct and complete at the time of writing. The information is therefore subject to possible change from time to time and cannot be guaranteed. 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 or any material existing within the product. For further information, please contact Tech-Dry Building Protection Systems Pty. Ltd.