

Material Safety Data Sheet

1. Product And Company Identification

Product Code STONESHEEN
 Product Name PERMACOLOUR Stone Sheen Sealer
 Manufacturer New Zealand Decorative Concrete Supplies Ltd
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 Last Updated 24/04/2008

2. Composition/Information on Ingredients

Chemical Name	CAS No	%
N-Methyl-2-pyrrolidone	872-50-4	1-5
2-(2-Methoxyethoxy)ethanol	111-77-3	1-5

3. Hazards Identification

The preparation is not classified as dangerous according to Directive 199/45/EC and its amendments.
 See section 11 for more detailed information on health effects and symptoms.

4. First Aid Measures

Inhalation - If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion - Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

Skin Contact - In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.

Eye Contact - In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Specific treatments - None established.

5. Fire Fighting Measures

Extinguishing media - In case of fire, use water spray (fog), foam, dry chemical or CO₂.

Special exposure hazards - No specific hazard.
 Note available.

Hazardous thermal decomposition products - Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turn out gear.

Remark - No additional remark.

6. Accidental Release Measures

Personal precautions - Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).

Environmental precautions and clean-up methods - Avoid contact of spilled material with soil and prevent runoff entering surface waterways. See section 13 for waste disposal information.

If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof

container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7. Handling And Storage

Handling - Wash thoroughly after handling.

Storage - Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging Material recommended - Use original container.

Specific uses - Industrial use only.

8. Exposure Controls/Personal Protection

Exposure Limit values - Not available.

Recommended monitoring procedures - Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Occupation exposure controls - Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection - A respirator is not needed under normal and intended conditions of product use.

Hand protection - Use latex gloves.

Eye Protection - Safety glasses.

Skin Protection - Additional body garments should be used (e.g. sleevelets, apron, disposable suit etc.), based on the task being performed.

9. Physical And Chemical Properties

General Information

Appearance

Physical State- Liquid.

Colour - White.

Odor - Bland.

Important health, safety and environmental information

pH - 8.0 - 9.0

Boiling Point - Lowest known value: 100°C (212°F) (water). Weighted average: 107.7°C (225.9°F)

Melting Point - May start to solidify at the following temperature: 0°C (32°F) This is based on data for the following ingredient: water. Weighted average: -3.71°C (25.3°F)

Flash Point - Not applicable.

Flammability (solid, gas) - Not applicable.

Explosive properties - Risk of explosion of the product in the presence of mechanical impact: Not available. Risk of explosion of the product in the presence of static discharge: Not available.

Oxidizing properties - Not available.

Relative density - Weighted average: 1 g/cm³

Solubility - Easily soluble in the following materials: cold water, hot water, methanol, acetone.

Octanol/water partition coefficient - Not determined.

Viscosity - Not determined.

Vapor density - Highest known value: 4.16 (Air = 1) (2-(2-Methoxyethoxy)ethanol).

Evaporation rate (butyl acetate=1) - Highest known value: 0.36 (water) Weighted average: 0.33 compared with Butyl acetate.

10. Stability And Reactivity**Stability** - The product is Stable.**Conditions To Avoid** - None.**Materials To Avoid** - None.**Hazardous Decomposition Products** - None.**11. Toxicological Information****Potential acute health effects****Inhalation** - May cause respiratory tract irritation.**Ingestion** - May irritate digestive tract.**Skin Contact** - Prolonged or repeated contact may dry skin and cause irritation.**Eye Contact** - Direct contact may cause irritation and redness.**Acute toxicity**

Ingredient name	Test	Result	Route	Species
N-Methyl-2-pyrrolidone	LD50	3914 mg/kg	Oral	Rat
	LD50	5130 mg/kg	Oral	Mouse
2-(2-Methoxyethoxy) ethanol	LD50	7190 mg/kg	Oral	Rabbit
	LD50	4160 mg/kg	Oral	Guinea Pig
	LD50	8222 mg/kg	Oral	Mouse

Potential chronic health effects

Ingredient name	Carsogenic effects	Mutagenic effects	Development toxicity	Impairs fertility
2-(2-Methoxyethoxy) ethanol			Repr.Cat. 3; R63	

Carcinogenicity - no carcinogenic effect known.**Mutagenicity** - No mutagenic effect.**Reproductive toxicity** - None identified.**Over-exposure signs/symptoms****Other adverse effects** - Not available.**12. Ecotoxicological Information**

Ingredient name	Species	Period	Result
2-(2-Methoxyethoxy) ethanol	Lepomis macrochirus (LC50)	96 hour(s)	7500 mg/l

Mobility - Not available.**Other adverse effects** - not available.**13. Disposal Considerations****Methods of disposal** - Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.**Waste Classification** - Not applicable.

European waste catalogue (EWC) - Not available.

Hazardous waste - Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC..

14. Transport Information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not Regulated.	Not available.	Not available.	-		-
ADNR Class	Not Regulated.	Not available.	Not available.	-		-
IMDG Class	Not Regulated.	Not available.	Not available.	-		-
IATA-DGR Class	Not Regulated.	Not available.	Not available.	-		-

15. Regulatory information

Hazard symbol -

**Risk phrases** - This product is not classified according to EU legislation.**Safety Phrases** - No specific safety phrase has been found which is applicable to this product.**Product use** - Classification and labeling have been determined according to EU directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

- Industrial applications

Additional warning phrases - Safety data sheets available for professional user on request.**EU statistical classification (Tariff Code)** - 32089091**16. Other information**

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 Permacolour by New Zealand Decorative Concrete.