

## MATERIAL SAFETY DATA SHEET

Product Code: 11401109: File F:\Fran Jones\WEBSITE\STONECARE MSDS'S & TECH  
BULLS\MSDS\KlenAquaBarrier.doc

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### SECTION 1 – STATEMENT OF HAZARDOUS NATURE, CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**CLASSIFIED AS NON HAZARDOUS ACCORDING TO CRITERIA OF NOHSC AND CLASSIFIED AS NOT A DANGEROUS GOOD ACCORDING TO THE ADG CODE.**

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**Product Name: KLEN AQUA BARRIER**

Use: Concrete and general purpose coating.

Description: Self cross-linking acrylic emulsion

### SECTION 2 – HAZARDS IDENTIFICATION

Hazard Category: None allocated

#### ACUTE HEALTH EFFECTS

Swallowed: May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach.

Eye: May cause irritation to the eyes, with effects including: tearing, pain and blurred vision. However, this is anticipated to be of a transient (short acting) nature and no long term injury is envisaged.

Skin: May cause irritation to the skin, with effects including: Redness and itchiness.

Inhaled: May cause irritation to the nose, throat and respiratory system with effects including dizziness and headache.

Chronic: In some susceptible individuals defatting / drying and possible dermatitis may occur

### SECTION 3 – COMPOSITION & INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%
-	Acrylic Polymers	30-60
-	Water and non hazardous ingredients	30-60
1336-21-6	Ammonia (below cutoff)	<1

### SECTION 4 - FIRST AID MEASURES

Swallowed: If swallowed, DO NOT induce vomiting. If victim is conscious give glass of water to drink. If sickness persists transport to hospital or doctor.

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Eye: If material splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.

Skin: If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available. If irritation persists transport to hospital or doctor. Launder clothing and clean shoes before re-use.

Inhaled: Move victim to fresh air. Apply resuscitation if victim is not breathing - If trained personnel available administer oxygen if breathing is difficult.

First Aid Facilities: Eye wash fountain, safety shower and normal wash room facilities.

Aggravated Medical conditions caused by exposure: Skin contact may aggravate existing skin diseases.

Advice to Doctor: Treat symptomatically

### SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water, dry chemical carbon dioxide or foam

Unusual Fire/Explosion Hazards: none

If safe to do so, move undamaged containers from fire area.

Hazardous Decomposition Products: Decomposes on heating emitting oxides of carbon.

Fire Fighting Procedures: Fire fighters to wear Self-contained breathing apparatus (SCBA) and full protective clothing.

Flammability: This material is not a flammable or combustible liquid

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Material may be slippery when spilt. Walk cautiously.

Ventilate area. Cool down containers exposed to heat with a water spray.

Methods of containment: Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. Contains ammonia. May be toxic to aquatic life. Bund area using sand or soil - to prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal.

The acrylic resin will set to a hard to sticky clear coating which will adhere securely to most surfaces. It may be scraped off after softening with water, and removed with a high pressure water jet.

### SECTION 7 – HANDLING AND STORAGE

Handling: Avoid contact with eyes and skin. Wear personal protective equipment.

Storage: Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers

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closed, when not using the product. Store in original packages as approved by manufacturer.

Note: The product is stable at ambient temperatures, avoid extreme temperatures. Should freezing occur, the product should be thawed slowly. Keep containers sealed when not in use to prevent skinning of emulsion.

### SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

NOHSC Airborne Exposure Standards: No exposure standards are available for this product, however, the following exposure standards have been to the following components of the product:

Acrylate/Methacrylate Copolymer: No Exposure details available

Ammonia, Aqueous Solution: TWA 25 ppm (17 mg/m<sup>3</sup>); STEL 35 ppm (24 mg/m<sup>3</sup>)

Engineering Controls: Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

Personal Protection Equipment:

GLOVES: PVC or natural rubber.

EYES: Chemical goggles or faceshield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. The use of an organic and ammonia vapour respirator is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Milky white liquid.

Boiling Point: 100°C (water)

Vapour Pressure: 24 mmHg @ 25°C (water)

Specific Gravity: ~1.02

Flash Point: Not applicable.

Flammability Limits: Not applicable.

Solubility in Water: Dispersible.

Percent Volatiles: 60 %

pH: 8.5 - 9.2

Tg: 26°C

Viscosity: 600 - 1100 (cps @ 25°C)

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### SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

Hazardous Decomposition Products: Emits oxides of carbon when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Any materials that react with water.

Conditions To Avoid: Heat and incompatibles.

### SECTION 11 – TOXICOLOGICAL INFORMATION

There is no toxicological information available for this product, however, for the ingredient:

Ammonia Aqueous Solutions: Oral LD50 (rat) : 350 mg/kg; Inhalation LC50 (rat) :  
2000 ppm/4 hr. Inhalation Lowest Lethal Concentration (human) :  
5000 ppm/5 min.

### SECTION 12 – ECOLOGICAL INFORMATION

No environmental impact information is available for this product, however for:

Ammonia Aqueous Solutions: Aquatic Toxicity: 24 hr LC50 (rainbow trout) :  
fertilized egg : >3.58 mg/L. alevins (0 – 50 days old) : >3.58 mg/L;  
fry (85 days old) : 0.068 mg/L; adults : 0.097 mg/L

Ammonia is readily oxidised to nitrite which is also toxic to fish.

Avoid contaminating waterways, drains or sewers.

### SECTION 13 – DISPOSAL

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

EPA Hazardous waste: No. Normally suitable for disposal by approved waste disposal agent.

### SECTION 14 – TRANSPORT INFORMATION

**Australian Dangerous Goods Classification:** Not regulated for transport by road and rail.

### SECTION 15 – REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:** All ingredients present on AICS

**SUSDP Labelling:** not a scheduled poison

**NOHSC (Worksafe) Labelling:** not classified as hazardous

### SECTION 16 – OTHER INFORMATION

*The above information is accurate to the best of the knowledge available to us. However since data safety standards and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control we make no warranty, whether express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Users should satisfy themselves that they have all current data relevant to their particular use.*