

## MATERIAL SAFETY DATA SHEET

Product Code: M0174: File S:\EnviroshieldF.doc

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

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

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**Product Name: ENVIROSHIELD F**

Use: Water based surface sealer, ideal for graffiti protection

### SECTION 2 – HAZARDS IDENTIFICATION

**Emergency overview:** May cause irritation to the skin and eye and if swallowed.

NOHSC (Worksafe) Classification: Not classified as hazardous

SUSDP Poison Schedule: Not allocated

HEALTH EFFECTS: Acute:

Swallowed: No specific effects known. May cause irritation to the mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains to the stomach.

Eye: May cause irritation to the eyes, with effects including tearing, pain and blurred vision. These effects are expected to be transient.

Skin: Prolonged skin contact may mildly irritate causing itchiness and redness.

Inhaled: Vapour may be mildly irritating to respiratory tract causing dizziness and headache.

Chronic: Defatting of the skin and dermatitis may occur.

### SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%
-	Water and non hazardous ingredients	>60
-	Acrylate/ methacrylate Copolymer	10 -30
133-21-6	Ammonia	<1

### SECTION 4 – FIRST AID MEASURES

Swallowed: Do not induce vomiting. Give 2 to 3 glasses of water and transport to a doctor or hospital. If vomiting occurs, ensure head is below waistline and give further water.

Eye: Hold affected eye open and flush with running water for at least 15 minutes Seek medical advice.

Skin: Remove contaminated clothing and wash affected area well with water.

Inhaled: Remove patient to fresh air and keep warm and rested. If breathing difficulties occur seek immediate medical help.

Advice to doctor: Treat symptomatically.

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### SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Not combustible. Material may combust after all water is evaporated.

Acceptable Extinguishing Methods: Water, Foam, Dry Chemical and CO<sub>2</sub>.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills: Slippery when spilt. Wear eye and skin protective equipment. Contain large spills and prevent from entering drains or water courses. Absorb on inert material such as sand or vermiculite. Collect in clean labelled containers for disposal.

The acrylic resin will set to a hard sticky clear coating which will securely adhere to most surfaces. It may be scraped off after softening with solvent.

### SECTION 7 – HANDLING AND STORAGE

Storage: Store in cool, dry, well ventilated area. Reseal container after use. Store away from sources of heat or ignition. Store away from oxidising agents

Emulsions are stable at room temperature. Avoid extreme temperatures. If freezing occurs, thaw product slowly. Frequently opened product may form a skin.

### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

NOHSC Exposure standards: Ammonia: TWA 17 mg/m<sup>3</sup> (25 ppm)' STEL 24 mg/m<sup>3</sup> (35 ppm).

Engineering Controls: Ensure ventilation to keep below exposure limits.

Personal Protection

Eye: Chemical safety glasses or goggles.

Hand: Natural rubber or Neoprene gloves.

Respirator Type: If spraying, use an organic gas or ammonia filter selected to AS 1715/ 1716.

Protective Clothing: Rubber apron, safety boots.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Milky white liquid with an ammonia odour.

Boiling Point (°C): Approx. 100°C (water)

Specific Gravity: 1.05 approx.

Vapour Pressure (Pa or mm of Hg at 25°C): 24 mm Hg @ 25°C (water)

Flashpoint (°C): Not Applicable

Flammability Limits (%): LEL - Not Applicable UEL - Not Applicable

Solubility in Water (g/L): Dispersible

pH ( neat ) = 9.0 ± 0.5

Tg: 26°C

### SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

Incompatibilities: Avoid contact with oxidising agents, strong acids or alkalis.

Fire/Explosion Hazard: Material may combust after all water is evaporated.

Hazardous decomposition products: Carbon monoxide and carbon dioxide.

Hazardous polymerisation: Will not occur.

### SECTION 11 – TOXICOLOGICAL INFORMATION

No data is available for the product. However for the ingredients:

Ammonium hydroxide: oral rat LD50: 350 mg/kg; eye, rabbit, standard Draize, 250 ug; severe, investigated as a mutagen.

For ammonia: inhalation rat LC50: 2000 ppm/4-hr; investigated as a tumorigen, mutagen. Lowest lethal concentration (human): 5000 ppm/ 5min.

### SECTION 12 – ECOLOGICAL INFORMATION

No data is available for the product. However for the ingredient:

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Ammonia: Environmental Fate: Ammonia is readily oxidised to nitrite which is also toxic to fish. This material is not expected to significantly bioaccumulate. Environmental Toxicity: This material is expected to be very toxic to aquatic life. The LC50/24-hour values for rainbow trout adult fish are less than 1 mg/L. The EC50/48-hour values for daphnia are less than 1 mg/l.

Ammonia: an increased incidence of lung infections has been noted in inhalation studies in animals. Experiments on human subjects indicate that 20% or more of the inhaled ammonia is retained in the body.

### SECTION 13 – DISPOSAL

Normally suitable for disposal through a licensed waste contractor. Refer to appropriate state, federal or local authorities.

### SECTION 14 – TRANSPORT INFORMATION

Australian Dangerous goods classification: Not regulated

### SECTION 15 – REGULATORY INFORMATION

Australian Inventory of Chemical Substances: All ingredients are listed on the AICS

SUSDP Labelling: Not a scheduled poison

Worksafe (NOHSC) Labelling: Not required

Advisory labelling: S24/25 Avoid contact with skin and eyes.

### 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.*