

# Material Safety Data Sheet

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Infosafe No™ HXR4K Issue Date : September 2010 ISSUED by BONDALL

Product Name : EFFLORESCENCE STAIN REMOVER

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** EFFLORESCENCE STAIN REMOVER  
**Product Code** 2 Litre 92214, 5 Litre 92215  
**Company Name** BONDALL PTY LTD (ABN 27 008 734 996)  
**Address** 113 Belmont Avenue  
Belmont  
WA 6104 Australia  
**Emergency Tel.** 0400 705 773 or Poisons Information Centre: 13 11 26  
**Telephone/Fax Number** Tel: (08) 6272 3800  
Fax: (08) 9277 4068  
**Recommended Use** To remove unsightly white satins that appear on brickwork, concrete work etc. prior to being sealed with clear waterproofing sealers.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** HAZARDOUS SUBSTANCE.  
DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.  
**Risk Phrase(s)** R34 Causes burns.  
**Safety Phrase(s)** S2 Keep out of reach of children.  
S20 When using do not eat or drink.  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Phosphoric Acid	7664-38-2	10-60 %
	Non hazardous ingredients and water		Balance

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.  
**Ingestion** Do not induce vomiting. Wash out mouth thoroughly with water and give water or milk to drink. Seek immediate medical attention.  
**Skin** Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek medical attention.  
**Eye** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.  
**First Aid Facilities** Eye wash fountain, safety shower and normal washroom facilities  
**Advice to Doctor** Treat symptomatically.  
**Other Information** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use appropriate fire extinguisher for surrounding environment.  
**Hazards from Combustion Products** Non-combustible liquid  
**Specific Hazards** This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn releasing toxic gases.

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**Hazchem Code** 2X**Precautions in connection with Fire** Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Dilute with water or neutralise with lime or soda ash. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area, out of direct sunlight and away from oxidising agents and metals. Store in labelled, high density polyethylene containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia. However, the available exposure limits for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Phosphoric acid	-	1	-	3

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

**Biological Limit Values** No biological limits allocated.**Engineering Controls** Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist/particulate filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.**Eye Protection** Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.**Hand Protection** Wear PVC or rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

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**Body Protection** Suitable protective workwear, e.g. impervious PVC overalls buttoned at neck and wrist is recommended. PVC apron are recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Clear foaming liquid

**Odour** Not available

**Melting Point** Not available

**Boiling Point** Above 100°C

**Solubility in Water** Completely miscible

**Specific Gravity** 1.3 approximately

**pH Value** 1.63

**Vapour Pressure** Not available

**Vapour Density (Air=1)** Not available

**Flash Point** Not applicable

**Flammability** Non-combustible liquid

**Auto-Ignition Temperature** Not applicable

**Flammable Limits - Lower** Not applicable

**Flammable Limits - Upper** Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions of storage and handling.

**Conditions to Avoid** Extremes of temperature and direct sunlight.

**Incompatible Materials** Strong oxidizing agents, alkalis and flammable substances. Contact with most metals evolves hydrogen gas. Reacts vigorously with alkalis to produce heat.

**Hazardous Decomposition Products** This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn releasing toxic gases.

**Hazardous Polymerization** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** No toxicity data available for this material. The available toxicity data for one of the ingredients is as follows:  
Acute toxicity data for Phosphoric acid:  
LD50 (Oral, Rat): 1.25g/kg  
LC50 (Inhalation, Rat): 25.5 mg/m<sup>3</sup>

**Inhalation** Inhalation of mists or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.

**Ingestion** Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

**Skin** Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

**Eye** Corrosive to eyes - contact can cause corneal burns. Contamination of eyes can result in permanent injury. Eye contact with vapour or liquid will cause stinging, blurring tearing, severe pain and possible permanent eye damage and blindness.

**Chronic Effects** Prolonged or repeated skin contact may cause defatting leading to drying and cracking of skin and dermatitis.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** This product has low environmental toxicity.

**Persistence / Degradability** No data available for this product.

**Mobility** No data available for this product.

**Environ. Protection** Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

## 14. TRANSPORT INFORMATION

**Transport Information** This material is classified as a Class 8 (Corrosive Substances) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).  
Class 8 Dangerous Goods are incompatible in a placard load with any of the following:  
- Class 1, Explosives  
- Division 4.3, Dangerous When Wet Substances  
- Division 5.1, Oxidising Agents  
- Division 5.2, Organic Peroxides  
- Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids  
- Class 7, Radioactive Substances  
and are incompatible with food and food packaging in any quantity.  
Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.

**U.N. Number** 2922

**Proper Shipping Name** CORROSIVE LIQUID, TOXIC, N.O.S. - (CONTAINS:PHOSPHORIC ACID)

**DG Class** 8

**Sub.Risk** 6.1

**Hazchem Code** 2X

**Packing Group** II

**EPG Number** 8C3

**IERG Number** 37

## 15. REGULATORY INFORMATION

**Regulatory Information** Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.  
Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**Poisons Schedule** S5

**Hazard Category** Corrosive

## 16. OTHER INFORMATION

**Date of preparation or last revision of MSDS** MSDS created: September 2010

**Contact Person/Point** Chemist: Tel No: (08) 6272-3800  
Emergency: Tel No: 0400 705 773  
...End Of MSDS...

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