



# Material Safety Data Sheet

Infosafe No. LPT01 Issue Date : December 2005 ISSUED by PARCHEMC

Product Name : EMER-CLEAN

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**Product Name** EMER-CLEAN  
**Company Name** Parchem Construction Products Pty Ltd (ABN 80 069 961 968)  
**Address** 7 Lucca Road Wyong  
NSW 2259 Australia  
**Emergency Tel.** 1800 638 556  
**Telephone/Fax Number** Tel: 02 4350 5000 Fax: 02 4351 2024  
**Recommended Use** General purpose, phosphoric acid-based metal cleaner.  
**Other Information** This MSDS summaries at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Products Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.  
If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard term and conditions, a copy of which is sent to our customers and is also available upon request.  
  
[www.parchem.com.au](http://www.parchem.com.au)

## 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)** S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Phosphoric acid	7664-38-2	30-60 %
	Ingredients determined not to be hazardous	Not required	10-30 %
	2-Butoxyethanol	111-76-2	10-24.99 %

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.  
**Ingestion** DO NOT INDUCE VOMITING. Wash out mouth with water. If symptoms develop seek medical attention.  
**Skin** Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.  
**Eye** If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.  
**First Aid Facilities** Eye wash fountains and safety showers should be available for emergency use.  
**Advice to Doctor** Treat symptomatically. For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 0800 POISON / 0800 764 766) or a doctor. The product is CORROSIVE.



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## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Water mist, CO2, foam, dry powder.

**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes.

**Special Protective Equipment for fire fighters** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA).

**Hazchem Code** 2X

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Slippery when spilt. Avoid accidents - clean up immediately. Wear appropriate protective equipment to avoid skin and eye contamination. Contain - prevent product from entering waterways. Collect free liquid, and soak up residual with suitable inert, dry absorbent. Collect in labelled plastic containers for disposal. If spill involves a large amount neutralize with lime or soda ash before collecting. Wash down spill site with water.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Avoid skin and eye contact and breathing in vapour. Close containers after use.  
Contact with many metals releases flammable hydrogen. In contact with impurities in metals may liberate phosphine, a flammable and toxic gas. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. 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. Keep containers closed when not in use. Store away from oxidising agents. Store in accordance with AS 3780-1994: The storage and handling of corrosive substances.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Phosphoric acid	3		1		
	2-Butoxyethanol	242	50	96.9	20	
<b>Biological Limit Values</b>	No biological limit allocated.					
<b>Other Exposure Information</b>	<p>No exposure standards have been established for this material by the Australian National Occupational Health &amp; Safety Commission (NOHSC). However, exposure standard for components are given above:</p> <p>As published by the National Occupational Health and Safety Commission (NOHSC):</p> <p>TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.</p> <p>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.</p> <p>According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.</p> <p>'Sk' notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals, they are not a measure of relative toxicity.</p>					



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<b>Engineering Controls</b>	Use in a well ventilated area. Keep containers closed when not in use. Exhaust ventilation may be necessary to maintain airborne component concentrations below exposure standards.
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
<b>Eye Protection</b>	Wear safety goggles and face shield. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear gloves of impervious material. 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.
<b>Body Protection</b>	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Clear liquid.
<b>Odour</b>	Mild odour.
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	100°C
<b>Solubility in Water</b>	Soluble
<b>Specific Gravity</b>	1.08
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	0.1 kPa
<b>Vapour Density (Air=1)</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Non combustible material.
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	Not available
<b>Flammable Limits - Upper</b>	Not available

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Not available
<b>Incompatible Materials</b>	Metals and impurities in metals.
<b>Hazardous Decomposition Products</b>	Thermal decomposition and combustion produce noxious fumes.
<b>Hazardous Reactions</b>	Contact with many metals releases flammable hydrogen. In contact with impurities in metals may liberate phosphine, a flammable and toxic gas.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	LD50 (oral, rat): 4400mg/kg (75% aqueous soln)
<b>Inhalation</b>	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.
<b>Ingestion</b>	Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.



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<b>Skin</b>	Skin contact will cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.
<b>Eye</b>	Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.
<b>Chronic Effects</b>	Repeated or prolonged contact may cause dryness, cracking and dermatitis.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	No data available for this specific product.
<b>Persistence / Degradability</b>	No data available for this specific product.
<b>Mobility</b>	No data available for this specific product.
<b>Bioaccumulative Potential</b>	The product will not bioaccumulate/concentrate. It does not show strong adherence to organic matter and is expected to biodegrade promptly.
<b>Environ. Protection</b>	Phosphoric acid may encourage eutrophic algal growth. Avoid contaminating waterways.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Dispose of waste according to federal, EPA and state regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	This material is classified as a Class 8 (Corrosive) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following: <ul style="list-style-type: none"><li>- Class 1, Explosive</li><li>- Class 4.3, Dangerous When Wet Substance</li><li>- Class 5.1, Oxidising Agent</li><li>- Class 5.2, Organic Peroxide</li><li>- Class 6, Toxic and Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids</li><li>- Class 7, Radioactive Substance</li></ul> and are incompatible with food and food packaging in any quantity.
<b>U.N. Number</b>	1760
<b>Proper Shipping Name</b>	CORROSIVE LIQUID, N.O.S. - (CONTAINS PHOSPHORIC ACID)
<b>DG Class</b>	8
<b>Hazchem Code</b>	2X
<b>Packaging Method</b>	3.8.8
<b>Packing Group</b>	III
<b>EPG Number</b>	8A1
<b>IERG Number</b>	37

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## 15. REGULATORY INFORMATION

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<b>Poisons Schedule</b>	S6
<b>Hazard Category</b>	Corrosive

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## 16. OTHER INFORMATION

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<b>Date of preparation or last revision of MSDS</b>	MSDS revised: December 2005 MSDS supersedes: July 2004
<b>Contact Person/Point</b>	Technical Support: 1800 812 864 ...End Of MSDS...