

PRODUCT NAME: **Express Clean – Urn Cleaner**

---

### 1. IDENTIFICATION OF MATERIAL & SUPPLIER

---

**NAME:** Ecowash Solutions Pty Ltd  
**ADDRESS:** 41 Chard Rd, BROOKVALE NSW 2100  
**PHONE:** 02 9938 9444  
**FAX:** 02 9905 7222  
**EMERGENCY NO:** 02 9938 9444  
**WEBSITE:** www.ecowashsolutions.com.au  
**SYNONYM(S)** Mixture of inorganic salts.  
**USE(S)** As a cleaner for hot water urns.  
**MSDS DATE:** 04 July 2011

---

### 2. HAZARDS IDENTIFICATION

---

Hazardous according to criteria of Worksafe Australia.

Non-dangerous goods.

**Risk Phrases:**

**R: 22** Harmful if swallowed.  
**R: 36/38** Irritating to skin and eyes.

**Safety Phrases:**

**S: 22** Do not breathe dust.  
**S: 24/25** Avoid contact with skin and eyes.  
**S: 26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

INGREDIENT	FORMULA	CAS NO.	CONTENT
Alkaline salts	Not Available	Not Available	30 - 60 %
Sodium perborate tetrahydrate	Not Available	[10486-00-7]	30 - 60 %
Ingredients not deemed to be hazardous	Not Available	Not Available	10 - 30 %
Sodium sulphate	Not Available	[7757-82-6]	10 - 30 %

---

### 4. FIRST AID MEASURES

---

**EYE** Hold eyes open, flood with water for at least 15minutes and seek medical advice.  
**INHALATION** Remove from exposure.  
**SKIN** Remove contaminated clothing and wash skin thoroughly. Wash clothing thoroughly before re-use.  
**INGESTION** Do not induce vomiting. Give a glass of water.  
**ADVICE TO DOCTOR** Product is a mixture of alkaline inorganic salts containing a moderate proportion of sodium perborate. Irritating to skin and eyes. May be harmful if swallowed. Contact Poisons Information Centre.  
**FIRST AID FACILITIES** Recommended: Eye wash. Hand wash basin.

---

### 5. FIRE FIGHTING MEASURES

---

<b>FIRE &amp; EXPLOSION</b>	No. Mild oxidising agent. May assist combustion.
<b>EXTINGUISHING</b>	Water.
<b>HAZCHEM CODE</b>	None assigned.

---

### 6. ACCIDENTAL RELEASE MEASURES

---

<b>SPILLAGE</b>	For large spills: Contain spillage using sand or earth. Transfer liquid and solids to suitable container. Treat residues as for small spillage. For small spills: If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise mix with inert absorbent, transfer to suitable container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.
-----------------	---

---

### 7. STORAGE AND HANDLING

---

<b>STORAGE</b>	Conditions for safe storage: Store in a cool, dry, well ventilated place, out of reach of children. Store in original container. Keep container tightly closed and out of direct sunlight. Protect from moisture. Keep away from acids, combustible materials. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.
<b>HANDLING</b>	Precautions for safe handling: Avoid contact with skin and eyes. Do not breathe dust. Do not mix with readily combustible materials. Do not mix with chlorinating bleaches.

---

### 8. EXPOSURE CONTROLS / PERSONAL EQUIPMENT

---

<b>EXPOSURE STANDARDS</b>	National Exposure Standards: ES-TWA: None assigned. ES-STEL: None assigned. ES-PEAK: None Notations: None
<b>BIOLOGICAL LIMIT VALUES</b>	No data found.
<b>ENGINEERING CONTROLS</b>	Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities or if dust risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible.
<b>PPE</b>	Avoid contact with skin and eyes. Do not breathe dust. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- <b>Normal Use:</b> Eye/face protection Gloves, rubber or plastic. <b>Industrial Quantities:</b> Face shield or safety glasses Gloves, rubber or plastic apron, sleeves and boots Impervious overalls.

### 9. PHYSICAL & CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	White crystalline powder	<b>SOLUBILITY (WATER):</b>	Dissolves readily in water with release of active oxygen.
<b>ODOUR:</b>	Odourless	<b>SPECIFIC GRAVITY:</b>	No Data
<b>pH:</b>	→ 11.5	<b>% VOLATILES:</b>	None when dry.
<b>VAPOUR PRESSURE:</b>	Not applicable.	<b>FLAMMIBILITY:</b>	None
<b>VAPOUR DENSITY:</b>	Not applicable.	<b>FLASH POINT:</b>	None
<b>BOILING POINT:</b>	No Data	<b>UPPER EXPLOSION LIMIT:</b>	Not Relevant
<b>MELTING POINT:</b>	No Data	<b>LOWER EXPLOSION LIMIT:</b>	Not Relevant
<b>EVAPORATION RATE:</b>	Not applicable.	<b>AUTOIGNITION:</b>	No Data
<b>DENSITY:</b>	Not Available		

### 10. STABILITY & REACTIVITY

<b>MATERIAL TO AVOID:</b>	Incompatible materials, moisture. Acids, combustible materials, chlorinating bleaches and other types of oxidising agents. Contact with combustible materials in the presence of moisture may cause fire.
<b>DECOMPOSITION:</b>	Oxides of phosphorus, oxides of sulphur, active oxygen.

### 11. TOXICOLOGICAL INFORMATION

<b>HEALTH HAZARD SUMMARY</b>	No data available for the mixture. Information presented relates to individual ingredients.	
<b>EYE</b>	Irritating to eyes. May cause redness and pain. Possible risk of corneal damage.	
<b>INHALATION</b>	Dust may be irritating to the upper respiratory system. Symptoms may include coughing, wheezing and difficulty breathing, a burning pain in the nose and throat. Prolonged exposure to dusts may lead to pulmonary oedema (build-up of fluid in the lungs). Onset of symptoms may be delayed.	
<b>SKIN</b>	Irritating to skin, especially in the presence of moisture. Very strong solutions may cause redness and burns.	
<b>INGESTION</b>	Harmful if swallowed. May cause burns to the mouth and throat. Likely to cause gastric upset with discomfort or pain, nausea, vomiting and diarrhoea. Large doses may cause violent purging. Very large doses may be fatal.	
<b>TOXICITY DATA</b>	LD50: Alkaline salt #1	4,090 mg/kg oral, rat.
	Sodium perborate tetrahydrate	1,200 mg/kg oral, rat. 1,060 mg/kg oral, mouse.
	Sodium sulphate anhydrous	5,090 mg/kg oral, mouse.
	LC50: Alkaline salt #1	2,300 mg/m <sup>3</sup> /2 hours, rat.
	LDLo: Sodium perborate tetrahydrate	214mg/kg oral, human. 250 mg/kg oral, child. 400 mg/kg oral, infant.

---

### 12. ECOLOGICAL INFORMATION

---

**ENVIRONMENT**      Eco-toxicity: Harmful to aquatic organisms.  
Persistence and degradability: No Data  
Mobility: Readily transported by water.  
Environmental Fate: No Data  
Bioaccumulative potential: No Data

---

### 13. DISPOSAL CONSIDERATION

---

**WASTE DISPOSAL**      The generator of any wastes from this product is responsible for its proper classification, transport and disposal.  
Consult appropriate local and State regulations.  
Contains sulphate. Discharge of sulphates to concrete sewer may be regulated by local authorities.  
Disposal methods and containers:  
Avoid disposal to natural waters or the environment.  
Special precautions for landfill or incineration:  
Unsuitable for incineration. May not be suitable for some landfill sites.

---

### 14. TRANSPORT INFORMATION

---

<b>SHIPPING NAME:</b>	None Allocated				
<b>UN No.</b>	Not Allocated	<b>DG CLASS</b>	Not Allocated	<b>SUBSIDIARY RISK(S)</b>	Not Allocated
<b>Pkg GROUP</b>	Not Allocated	<b>HAZCHEM CODE</b>	Not Allocated	<b>EPG</b>	Not Allocated

---

### 15. REGULATORY INFORMATION

---

**POISON SCHEDULE**      Poisons (SUSDP): Schedule 5      Alkaline salts pH → 11.5  
Dangerous Goods: Not dangerous goods.

**AICS**      Listed

---

### 16. OTHER INFORMATION

---

**ADDITIONAL INFORMATION:** Additional Information

**EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES:** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**ABBREVIATIONS:**

ADB - Air-Dry Basis.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m<sup>3</sup> - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

TWA/ES - Time Weighted Average or Exposure Standard.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:** It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

This document has been compiled by the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS'). It is based on information concerning the product which has been provided to Ecowash Solutions obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

While Ecowash Solutions have taken all due care to include accurate and up-to-date Information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Ecowash Solutions accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.