

## Section 1: Identification of the Material and Supplier

**Product Name:** Express Clean – Urn Cleaner

**Other Names:** Mixture of inorganic salts.

**Proper shipping name (ADG Code):** None assigned.

**Recommended use:** As a cleaner for hot water urns. Use as directed on the product label.

**Supplier:** **Ecowash Systems**  
ACN: 003 060 160  
50 Chard Road, BROOKVALE NSW 2100, Australia  
Tel: +61 2 9938 1800 (business hours)  
Fax: +61 2 9905 0979

**Emergency Phone Numbers:**

Transport/Fire Emergency: **000** (Emergency services)

Medical Emergency: **131126** (Poisons Information Centre)

## Section 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.

## Section 3: Composition/Information on Ingredients

**Ingredients:**

Alkaline salts	30 - 60 %	
Sodium perborate tetrahydrate	[10486-00-7]	30 - 60 %
Other ingredients	10 - 30 %	
Sodium sulphate	[7757-82-6]	10 - 30 %

## Section 4: First Aid Measures

**For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor.**

Swallowed: Do not induce vomiting.

Skin: Remove contaminated clothing and wash skin thoroughly. Wash clothing thoroughly before re-use.

Eyes: Hold eyes open, flood with water for at least 15 minutes and seek medical advice.

Inhaled: Remove from exposure.

**First Aid facilities:**

Recommended: Eye wash. Hand wash basin.

**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.

**Aggravated medical conditions:**

No data found.

## Section 5: Fire Fighting Measures

**HAZCHEM Code:** None assigned.

**Evacuate:** No.

**Extinguishant:** Water.

**Risk of violent reaction or explosion:** No. Mild oxidising agent. May assist combustion.

**Products of combustion:** Carbon dioxide, oxides of sulphur, oxides of phosphorus, borates, sodium oxide.

**Protective Equipment:** Breathing apparatus and protective gloves for fire only.

## Section 6: Accidental Release Measures

### Emergency Procedures:

Contain. Prevent spillages from entering natural waters or the environment.

### 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.

## Section 7: Handling and Storage

### 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.

### 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.

### Incompatibles:

Acids, other oxidising agents, moisture.

## Section 8: Exposure Controls/Personal Protection

### National Exposure Standards:

**ES-TWA:** None assigned.

**ES-STEL:** None assigned.

**ES-PEAK:** None.

**Notations:** None.

**Biological Limit Values:** No data found.

### Engineering Controls:

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.

### Personal Protective Equipment:

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:-

#### Normal Use:

Eye/face protection

Gloves, rubber or plastic.

#### Industrial Quantities:

Face shield or safety glasses

Gloves, rubber or plastic  
Plastic apron, sleeves and boots  
Impervious overalls.

## Section 9: Physical and Chemical Properties

Appearance: White crystalline powder.  
Odour: Odourless.  
pH: > 11.5  
Vapour Pressure: Not applicable.  
Vapour Density: Not applicable.  
Boiling Point: No data.  
Melting Point: No data.  
Volatiles: None when dry.  
Volatile Organic Compounds (VOC): Nil.  
Evaporation Rate: Not applicable.  
Solubilities: Dissolves readily in water with release of active oxygen.  
Specific Gravity/Density: No data.  
Flash Point: None.  
Flammable Limits: None.  
Dust Explosion: Will not happen.  
Auto-ignition Temperature: No data.

### Other Information:

Slightly hygroscopic, will absorb moisture from the air. Contact with moisture will release active oxygen. Contact with combustible materials in the presence of moisture may cause fire. Contact with acids will generate a mixture of carbon dioxide and oxygen. Slippery when spilled, especially when wet.

## Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal conditions.  
**Conditions to Avoid:** Incompatible materials, moisture.  
**Incompatible Materials:** Acids, combustible materials, chlorinating bleaches and other types of oxidising agents.  
**Hazardous Decomposition Products:** Oxides of phosphorus, oxides of sulphur, active oxygen.  
**Hazardous Reactions:** Contact with combustible materials in the presence of moisture may cause fire.

## Section 11: Toxicological Information

### Health Effects:

No data available for the mixture. Information presented relates to individual ingredients.

**Acute: Swallowed:** 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.

**Skin:** Irritating to skin, especially in the presence of moisture. Very strong solutions may cause redness and burns.

**Eyes:** Irritating to eyes. May cause redness and pain. Possible risk of corneal damage.

**Inhaled:** 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.

**Chronic:** Inhalation over-exposure may cause damage to the nasalseptum, nose bleeds, nasal congestion, erosion of the teeth, perforation of the nasal septum, chest pains and bronchitis.

**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 214 mg/kg oral, human.  
250 mg/kg oral, child.  
400 mg/kg oral, infant.

## Section 12: Ecological Information

Ecotoxicity: Harmful to aquatic organisms.  
Persistence and degradability: No data.  
Mobility: Readily transported by water.  
Environmental Fate: No data.  
Bioaccumulative potential: No data.  
Other adverse environmental effects: Contains phosphate. May contribute to algal bloom in natural waters.

## Section 13: Disposal Considerations

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.

## Section 14: Transport Information

UN Number: None assigned.  
UN Proper shipping name: None assigned.  
Class and subsidiary risk: None.  
Packaging group: None.  
Special precautions for user: Protect from moisture. Keep away from acids and combustible materials.  
HAZCHEM Code: None assigned.  
Material for export: Not regulated.

## Section 15: Regulatory Information

Poisons (SUSDP): Schedule 5 Alkaline salts pH > 11.5

Dangerous Goods: Not dangerous goods.

Carcinogen: Australia IARC NTP  
No. No. No.

Agricultural and Veterinary Chemicals Act: Not applicable.

Australian Inventory of Chemical Substances (AICS): Listed.

Other National/International Regulations: No data found.

## Section 16: Other information

Date of MSDS update: June 2005

Complete review and rewrite of all sections.

### Disclaimer

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.