



## Section 1: Identification of the Material and Supplier

Product Name: ECOSANI  
Other Names: Aqueous solution of surfactant/active biocide.  
Proper shipping name (ADG Code): None.  
Recommended use: As a surface active disinfectant  
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

Not classified as hazardous according to criteria of Worksafe Australia.  
Non-dangerous goods.  
Risk Phrases: R: None.  
Safety Phrases: S: 25 Avoid contact with eyes.

## Section 3: Composition/Information on Ingredients

Ingredients:  
Ingredients deemed not to be hazardous < 10 %  
Water [7732-18-5] to 100 %

## Section 4: First Aid Measures

For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

Swallowed: Do not induce vomiting.  
Skin: Remove contaminated clothing and wash skin thoroughly.  
Eyes: Hold eyes open, flood with water for at least 1 minute and seek medical advice.  
Inhaled: Remove from exposure.

First Aid facilities:  
Recommended: Eye wash. Hand wash basin.

Advice to Doctor:  
Product is a very dilute solution of an amphoteric biocide.  
Contact Poisons Information Centre.

Aggravated medical conditions:

None known.

## Section 5: Fire Fighting Measures

**HAZCHEM Code:** None assigned.

**Evacuate:** No.

**Extinguishant:** Water.

**Risk of violent reaction or explosion:** No.

**Products of combustion:** Water vapour, oxides of carbon, oxides of nitrogen.

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

## Section 6: Accidental Release Measures

### Emergency Procedures:

Contain.

Prevent spillages from entering natural waters.

### 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, absorb on inert absorbent, transfer to suitable container and arrange removal by disposals 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.

### Conditions for safe storage:

Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded area. Store in original container. Keep container tightly closed and out of direct sunlight. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

### Incompatibles:

Oxidising agents.

## 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 aerosol risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible.

**Personal Protective Equipment:**

Avoid contact with skin and eyes. Avoid breathing aerosols. 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: Clear, almost colourless, mobile liquid.

Odour: Odourless.

pH: 7.7 - 8.7.

Vapour Pressure: 23 hPa @ 20 °C

Vapour Density: No data.

Boiling Point: 100 °C

Melting Point: About 0 °C

Volatiles: > 95 % (as water)

Volatile Organic Compounds (VOC): Nil.

Evaporation Rate: No data.

Solubilities: Miscible with water in all proportions.

Specific Gravity/Density: 1 g/mL @ 20 °C

Flash Point: None.

Flammable Limits: None.

Dust Explosion: Not applicable.

Auto-ignition Temperature: No data.

**Other Information:**

Aqueous solution.

May react with oxidising agents, strong acids, caustic alkalis.

May be incompatible with other surfactant/disinfectants.

Slippery when spilled.

## Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** Incompatible materials.

**Incompatible Materials:** Oxidising agents, strong acids, caustic alkalis.

**Hazardous Decomposition Products:** Oxides of nitrogen.

**Hazardous Reactions:** None known.

## Section 11: Toxicological Information

**Health Effects:**

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

**Acute: Swallowed:** May cause mild gastric upset, with possible nausea and vomiting. A possible aspiration risk.

**Skin:** May cause mild irritation on prolonged contact.

**Eyes:** May cause mild irritation.

**Inhaled:** An unlikely route, owing to the low volatility of active ingredients. Inhalation of aerosols, or aspiration into the lungs during swallowing or vomiting, may cause chemical pneumonitis (irritation

of lung tissues) and possible pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed.

Chronic: Repeated skin or eye contact may lead to irritation.

LD50: Amphoteric biocide 4,500 mg/kg oral, rat.

## Section 12: Ecological Information

Ecotoxicity: Harmful to microorganisms.

Persistence and degradability: No data.

Mobility: Readily transported by water.

Environmental Fate: No data.

Bioaccumulative potential: No data.

Other adverse environmental effects: No data.

## 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.

Disposal methods and containers:

Avoid disposal to natural waters or the environment.

Special precautions for landfill or incineration:

May not be suitable for landfill.

## 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: None.

HAZCHEM Code: None assigned.

Material for export: Not regulated.

## Section 15: Regulatory Information

Poisons (SUSDP): Not a scheduled poison.

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: None found.

## Section 16: Other information

This MSDS is based on information concerning the product which has been provided to Ecowash Systems by the raw material manufacturer or 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. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Ecowash Systems has 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 Systems 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.