

**ENVIROCARE EARTH**

47 BANKSIA ST  
WELSHPOOL, WA, 6106  
Tel. (08) 9458 1604  
Fax (08) 9458 1222



Material Safety Data Sheet

**RINSE AID**

Issued: SEP 2008

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**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA****IDENTIFICATION**

**Product name:** enviroClean RINSE AID  
**Product code:** EN/RA  
**Use:** Rinse and drying aid for use in automatic dishwashing machines. Typically dosed via electronic dispensers.  
**Supplier:** Borvek PTY LTD, 47 Banksia St Welshpool WA 6106  
**Contact person:** Technical Manager  
**Telephone:** (08) 9458 1604

**HAZARDS IDENTIFICATION**

**UN No:** None allocated      **Hazchem Code:** None allocated  
**DG Class:** None allocated      **Poisons Schedule:** None allocated  
**Hazard Category:** None  
**Risk Phrase(s):** None  
**Safety Phrase(s):** None

**INGREDIENTS**

| Chemical name                        | CAS No.     | Proportion |
|--------------------------------------|-------------|------------|
| Ethanol                              | [64-17-5]   | 10 – 30 %  |
| Ingredients determined non hazardous |             | 0 – 10 %   |
| Water                                | [7732-18-5] | Balance    |

**FIRST AID & HEALTH HAZARD INFORMATION**

**Swallowed:** Rinse mouth out with water. Do NOT induce vomiting. Give water to drink. Seek medical attention.  
**Eye:** Hold eye open and flood with water for at least 15 minutes. Seek medical attention.  
**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Launder clothing before re-use. Seek medical advice if effects persist.  
**Inhalation:** Remove patient to fresh air. Keep warm and at rest. If breathing has stopped apply artificial respiration. Seek medical attention immediately.  
**Advice to doctor:** Treat symptomatically. Gastric lavage may be indicated if ingested.

**FIRE FIGHTING MEASURES**

**Flammability:** No unusual fire or explosion hazards. In case of fire in the surroundings use the appropriate extinguishing method for the area. Not flammable.  
**Extinguishing Media:**  
**Hazards:**  
**Special precautions:**  
**HAZCHEM:**

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### ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** CAUTION - spillages are slippery. Avoid accidents, clean up immediately. Contain – prevent run off into drains and waterways.

**Method & Materials for: cleanup** Absorb onto inert material (eg. soil or sand, sawdust, vermiculite), and collect into properly labelled drums for disposal. Wash area down with excess water. Refer to local authority for disposal of contaminated absorbent. Dispose at an approved land fill site or consult local authority.

### HANDLING & STORAGE

**Storage and Transport:** Not classified as a dangerous substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Other Information:**

### EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure standards:** The following exposure standards have been assigned by the National Occupational Health and Safety Commission (Worksafe Australia):  
Ethanol, TWA: 1000 ppm, 1880 mg/m<sup>3</sup>  
The TWA is the time weighted average concentration of the work atmosphere over a normal 8-hour work day and a 40-hour work week. Nearly all workers may be repeatedly exposed to this level day after day, without adverse effect. These exposure standards are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These exposure standards should not be used as fine lines between safe and dangerous concentrations.

**Engineering controls:** Natural ventilation. Avoid inhaling mists or aerosols.

**Personal protection:** Avoid contact with skin and eyes. Respiratory protection normally not required.

### PHYSICAL & CHEMICAL PROPERTIES

**Appearance and odour:** Clear, light pink liquid with slight alcoholic odour

**Solubility in water:** Completely soluble

**Boiling point:** 80-100 °C

**Specific gravity:** 0.98 ± 0.02

**Vapour pressure:** Not determined

**pH:** 7.5 ± 0.5

**Flash point:** Not applicable

### STABILITY & REACTIVITY

**Chemical stability:** Stable

**Conditions to avoid:** Heat & fire

**Incompatible materials:** Keep away from strong alkalis and oxidising agents

**Hazardous decomposition products:** Combustion products include carbon monoxide and carbon dioxide.

**Hazardous reactions:** Flammable liquid.

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**TOXICOLOGICAL INFORMATION**

|                          |  |
|--------------------------|--|
| <b>Swallowed:</b>        | Ingestion may cause irritation of the mouth, throat and gullet. May result in effects on the central nervous system leading to intoxication, dizziness, nausea, vomiting and headache. Methanol included as a denaturant may cause blindness if swallowed. |
| <b>Eye:</b>              | Moderate irritation  |
| <b>Skin:</b>             | Contact with skin will have a defatting effect which may result in dryness and cracking. Repeated or prolonged contact may lead to irritation.   |
| <b>Inhalation:</b>       | Inhalation of large concentrations of vapour may cause irritation of the mucous membranes and respiratory tract. May result in effects on the central nervous system leading to dizziness, nausea, vomiting and headache.                                  |
| <b>Chronic effects:</b>  | Chronic exposure to ethanol by ingestion or inhalation can lead to degenerative effects on liver, kidneys and gastrointestinal tract.  |
| <b>Advice to doctor:</b> | Treat symptomatically. Gastric lavage may be indicated if ingested.  |
| <b>Toxicity data:</b>    | Data for ethanol:<br>Oral LD50, rat: 7060 mg/kg  |

**ECOLOGICAL INFORMATION**

|   |                |
|---|----------------|
| <b>Ecotoxicity:</b>                     | Not determined |
| <b>Persistence &amp; degradability:</b> | Not determined |
| <b>Mobility:</b>                        | Not determined |

**DISPOSAL CONSIDERATIONS**

|  |   |
|--|---|
| <b>Disposal methods:</b>                                 | Avoid accidents, clean up immediately. Wear self-contained breathing apparatus and full protective clothing. Isolate leaking containers and stop leak if safe to do so. Use absorbent (soil, sand, sawdust, inert material, vermiculite). |
| <b>Disposal containers:</b>                              | Collect and seal in properly labelled drums for disposal.   |
| <b>Special precautions in landfills or incineration:</b> | Refer to local authority for disposal of contaminated absorbent with hydrocarbons.  |

**TRANSPORT INFORMATION**

|                                     |                     |
|-------------------------------------|---------------------|
| <b>UN number:</b>                   | Non dangerous goods |
| <b>UN Proper shipping name:</b>     |                     |
| <b>Class &amp; Subsidiary risk:</b> |                     |
| <b>Packing Group:</b>               |                     |
| <b>Hazchem Code:</b>                |                     |

**REGULATORY INFORMATION**

|                          |               |
|--------------------------|---------------|
| <b>Regulatory Status</b> | Not regulated |
|--------------------------|---------------|