

ENVIROCARE EARTH

6 Hodgson Way
Kewdale, WA, 6105
Tel. (08) 9353 1491
Fax (08) 9353 1492



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, 6 Hodgson Way Kewdale WA 6105
Contact person: Technical Manager
Telephone: (08) 9353 1491

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/m³
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

Swallowed:	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.
Eye:	Moderate irritation
Skin:	Contact with skin will have a defatting effect which may result in dryness and cracking. Repeated or prolonged contact may lead to irritation.
Inhalation:	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.
Chronic effects:	Chronic exposure to ethanol by ingestion or inhalation can lead to degenerative effects on liver, kidneys and gastrointestinal tract.
Advice to doctor:	Treat symptomatically. Gastric lavage may be indicated if ingested.
Toxicity data:	Data for ethanol: Oral LD50, rat: 7060 mg/kg

ECOLOGICAL INFORMATION

Ecotoxicity:	Not determined
Persistence & degradability:	Not determined
Mobility:	Not determined

DISPOSAL CONSIDERATIONS

Disposal methods:	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).
Disposal containers:	Collect and seal in properly labelled drums for disposal.
Special precautions in landfills or incineration:	Refer to local authority for disposal of contaminated absorbent with hydrocarbons.

TRANSPORT INFORMATION

UN number:	Non dangerous goods
UN Proper shipping name:	
Class & Subsidiary risk:	
Packing Group:	
Hazchem Code:	

REGULATORY INFORMATION

Regulatory Status	Not regulated
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