

Date of Issue: 3rd February, 1997

MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

COMPANY: Fernz Timber Protection
(A division of Fernz Australia Ltd: ACN 008 433 010)

STREET ADDRESS: Cafpirco Road
Compton via Mount Gambier, S.A. 5290

POSTAL ADDRESS PO Box 499
Mount Gambier, S.A. 5290

INFORMATION

TELEPHONE NO: (08) 8723 1399

EMERGENCY

TELEPHONE NO: 1800 088 809

FACSIMILE NO: (08) 8723 0010

IDENTIFICATION

Product Name: Boracol 200RH

Other Names: Not applicable

UN Number: None allocated

Dangerous Goods Class and Subsidiary Risk: Not applicable

Hazchem Code: Not applicable

Poisons Schedule: S5

Use: Algaecide/fungicide and insecticide for treatment of timber, brick and other masonry finishes.

Physical Description/Properties:

Appearance: Clear colourless liquid with a sweet smell.

Boiling Range: >197°C

Melting Point: Not applicable

Vapour Pressure: Relatively non-volatile

Specific Gravity: 1.232

Flash Point: >110°C

Flammability Limits: Lower 3.2% (for mono ethylene glycol)

Solubility in Water: Completely miscible

Other Properties:

pH: 6.3

Autoignition Temperature >400

Ingredients:

Chemical	CAS No.	% w/w
Disodium Octaborate Tetrahydrate	12008-41-2	10-30%
Benzalkonium Chloride	8001-54-5	<10%
Mono Ethylene Glycol	107-21-1	>60%
Water	7732-18-5	To 100%

HEALTH HAZARD INFORMATION**Health Effects:****ACUTE EFFECTS:**

Swallowed: Harmful if swallowed. May cause nausea, vomiting, diarrhoea and abdominal pain. Central nervous system stimulation followed by depression may occur following ingestion of large quantities.

Eye: Irritating to eyes.

<i>Skin:</i>	Harmful in contact with skin. Irritant. Prolonged or repeated exposure may lead to defatting of the skin which could cause secondary dermatitis.
<i>Inhaled:</i>	Irritant. Inhalation of mist may cause headache, nausea and irritation of the throat and respiratory tract.
CHRONIC EFFECTS:	Kidney and liver damage may result from chronic exposure. Chronic intoxication may cause hair loss, weight loss and diarrhoea.
First Aid:	
<i>Swallowed:</i>	Never give anything by mouth to an unconscious person. If swallowed, and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF. If poisoning occurs, contact a doctor or Poisons Information Centre.
<i>Eye:</i>	In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.
<i>Skin:</i>	After contact with skin, wash immediately with plenty of warm soapy water. Seek medical assistance if large area involved.
<i>Inhaled:</i>	Remove victim to fresh air. Lay patient down and keep warm and rested. If breathing shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance.
Advice to Doctor:	Treat symptomatically. Early diagnosis and treatment of ingestion is important. Ensure emesis is satisfactory. Test for correct metabolic acidosis and hypocalcaemia. If evidence of renal insufficiency apply rapid and sustained diuresis with the use of hypertonic mannitol. Evaluate renal status and begin haemodialysis if indicated.

PRECAUTIONS FOR USE

Exposure Limits:

Occupational limits for:	TWA	STEL
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BORACOL 200RH

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Mono ethylene glycol (vapour) 60 mg/m³ 120 mg/m³

Engineering Controls: Use with adequate ventilation. Local exhaust may be necessary if handled in confined spaces.

Personal Protection:

Skin: PVC or rubber gloves, long sleeves, long trousers and suitable footwear should be worn when manufacturing or handling.

Eyes: Safety glasses or goggles.

Respiratory: An approved organic vapour respirator should be worn during spraying applications.

Flammability: Not flammable.

SAFE HANDLING INFORMATION

Storage and Transport: Product considered non-hazardous for transport by the Australian Dangerous Goods Code.
Observe label precautions. Smoking, eating and drinking should be prohibited during handling.
Keep containers tightly closed. Any containers which are opened should be carefully resealed.
Store between 0 and 30°C in a dry, clean and well ventilated area out of direct sunlight.

Spills and Disposal: Wear protective clothing as above.
Do not allow into drains or water courses. Contain spill by absorbing with sand, earth or other absorbent material.
Wash down spill area with copious quantities of water.
Waste and empty containers must be disposed of in accordance with local government regulations. Dispose of by liaising with a waste disposal company or by dumping at a site by approved local authorities.

Fire/Explosion Hazard: Combustible.
Use water spray to cool containers threatened by fire.
Use alcohol foam, water fog, dry chemical or carbon dioxide to extinguish.

Reactivity Data: Stable.
Avoid strong acids and oxidising agents. Hazardous reaction can occur with strong oxidisers.

OTHER INFORMATION:

Toxicity Data:

Product:	Oral LD50 (rat) - 6216 mg/kg
Disodium octoborate tetrahydrate:	Oral LD50 (rat) - 2000 mg/kg
Benzalkonium chloride:	Oral LD50 (rat) - 240 mg/kg Skin LD50 (rat) - 1560 mg/kg Human eye - 50 µg SEV
Monoethylene glycol:	Oral LD50 (rat) - 4700 mg/kg Lower lethal dose (human) - 786 mg/kg

CONTACT POINT: National Operations Manager

EMERGENCY

TELEPHONE NO: 1800 088 809

The information contained herein is based on data available to FERNZ TIMBER PROTECTION from both our own technical sources and from recognised published references and is believed to be both accurate and reliable.

Since we cannot anticipate or control the many different conditions under which this information and our products may be used, each user should review these recommendations in the specific context of the intended application and confirm whether they are applicable.