

KOP-COAT NEW ZEALAND LIMITED

1. PRODUCT IDENTIFICATION (Continued)

Specific Gravity:	Approx 0.40 to 0.6 g/cm ³	Solubility in Water:	Insoluble
Other Properties:	Not applicable	pH:	Not applicable
Vapour Density:	Not applicable	Volatile Component:	Not applicable

INGREDIENTS

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion</u>
Timber – Pine or Douglas Fir	None	> 98.0
Disodium octaborate tetrahydrate (or expressed as Boric Acid equivalent)	12008-41-2	> 0.35 (>0.40)
Propylene Glycol (Food & Industrial Grades)	57-55-6	0.1 -0.2
Bazooka® Sapstain and Mould Control Containing		0.02 – 0.03
Iodocarb	55406-53-6	
Propiconazole	60207-90-1	
Iodofon	20018-09-1	
Dipropylene glycol methyl ether	34590-94-8	

2. HEALTH HAZARD INFORMATION

Acute Effects:

Swallowed:	This is an unlikely route of exposure in commercial/industrial environments.
Eye:	Wood dust is mildly abrasive to the eyes, as is untreated wood.
Skin:	<p>Prolonged repetitive contact or exposure to elevated wood dust levels on the skin depending upon the species, may cause an allergic skin reaction in susceptible individuals, as is dust from untreated wood.</p> <p>Handling dry timber surfaces may lead to discomfort from abrasion or result in splinters in skin, as for untreated wood.</p> <p>At treatment plants, contact with freshly treated wet timber may cause skin irritation.</p>
Inhaled:	Wood dust may block nasal passages resulting in a cough, sneezing or headaches. Some wood dusts are respiratory sensitizers, as is dust from untreated wood.
Route of Exposure:	Main exposure routes are by contact with skin, inhalation of dust from machining or cutting timber and from exposure to compounds released into the air when the timber is burnt, as for untreated wood.

MATERIAL SAFETY DATA SHEET

2. HEALTH HAZARD INFORMATION (Continued)

Chronic Effects:

Some wood dusts are respiratory sensitizers and care must be taken to avoid exposure in the work environment. These hazards apply to both treated and untreated timbers.

Male reproductive effects have been noted in forced feeding studies in laboratory animals using massive quantities of some concentrated Boron chemicals. All Boron compounds are therefore classified by ERMA as suspected reproductive/development toxicants based on the results of these studies. No adverse effects have been found in human occupational exposure studies to Boron compounds. No adverse effects have been found from the handling of boron treated timber over a 50 year period, or from Borate use in many industrial and household applications.

Treated timber **MUST NOT** be used as fuel for open fires, cooking, barbeques, home heating, animal bedding or garden mulch. NOTE: Some international organizations classify wood dust from certain species of untreated wood to be nasal carcinogens.

First Aid

Swallowed: DO NOT induce vomiting. Never give liquid to a person showing signs of being sleepy or who is unconscious. Give water or milk to rinse out the mouth. Seek medical assistance immediately or contact the National Poison Centre on 0800 POISON (0800 764766).

Eye: Irrigate with copious quantities of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. If irritation or pain persists then seek medical attention. Do not attempt to remove contact lenses. Removal of lenses should only be undertaken by skilled personnel.

Skin: Wash affected skin with plenty of soap and water. If skin is irritated then seek medical assistance.

Inhaled: If dust is inhaled, remove person to fresh air. Encourage person to blow their nose to ensure clear breathing passages. Rinse mouth with water to help remove dust from throat. If irritation persists seek medical attention. If fumes or combustion products are inhaled, then move person to fresh air. Keep person warm and rested. If breathing is shallow or stopped, ensure the airway is clear and use resuscitation. Obtain immediate medical attention.

MATERIAL SAFETY DATA SHEET

KOP-COAT NEW ZEALAND LIMITED

NATIONAL POISON CENTRE 0800 POISON (0800 764766)

3. PRECAUTIONS FOR USE

Exposure Standards: Inspirable dust concentrations in a worker's breathing zone should be collected and measured in accordance with AS3640.

Workplace Exposure Standards	TWA	WES-C STEL
Wood dust (soft wood)	5 mg/m ³	10 mg/m ³
Disodium octaborate tetrahydrate	5 mg/m ³	

Personal Protection: Avoid breathing wood dust. When cutting, machining or sanding timber wear a disposable dust mask. Wear protective gloves, safety footwear, overalls or apron to protect from abrasion. When sawing or machining timber wear safety glasses with side shields. Contact lenses pose a special hazard; soft lenses may absorb irritants. Avoid contact with ash.

At treatment plants avoid skin contact with treated timber in which the treatment has not dried. If freshly treated timber must be handled, wear impervious gloves and other impervious clothing as necessary.

Engineering Controls: Effective dust extraction and good ventilation is required when sawing or machining.

Flammability: Combustible, as for untreated wood.

4. SAFE HANDLING INFORMATION

Transport: No restrictions.

Storage: Store in a dry well ventilated place. Observe manufacturers storage and handling recommendations. No smoking or other ignition sources, as for untreated wood.

TREATED WOOD MUST BE HELD UNDER COVER UNTIL THE TREATMENT IS DRY PRIOR TO DESPATCH.

Prevent prolonged or repeated exposure to rain. Storage in water may lead to depletion of preservative from the treated timber.

Disposal: Wear protective gloves. Secure load if safe to do so. Bundle or collect timber for recycling or disposal. Dispose of in accordance with local Council requirements in an authorised landfill.

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4. SAFE HANDLING INFORMATION (Continued)

Reactivity: Stable.

Fire/Explosion Hazard: Combustible product, moderate fire hazard when exposed to heat and flame, as for untreated wood.

OTHER INFORMATION:

Toxicity Data: **Disodium octaborate tetrahydrate:** Oral LD₅₀ (rat) 2000 mg/kg
ERMA register number : HSR 000911

BAZOOKA® Sapstain and Mould Control; Oral LD₅₀ (rat) 2660 mg/kg,
Dermal LD₅₀ (rat) >2000 mg/kg, Inhalation LC50(4hr) 1.14 mg/L
ERMA register number: HSR 000117

Contact point: **Kop-Coat Rotorua office**
Phone: 07-343-6304 Fax: 07-343-6305 Mob: 021 708 336

NATIONAL POISON CENTRE 0800 764766

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