

STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company **KOPPERS ARCH WOOD PROTECTION (AUST) PTY LIMITED**
 ABN 95 003 780 872
 Address 15 Blue Street, North Sydney, NSW, 2060.
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IDENTIFICATION

Product Name **TANALITH E Copper-based Wood Preservative**
 Other Names Copper Azole
 UN Number 3010
 Correct Shipping Name Copper-based pesticide Liquid, Toxic
 Dangerous Goods Class 6.1
 Hazchem Code 2X
 Packaging Group III
 Poisons Schedule 6
 Uses Tanalith E is used for the pressure impregnation treatment of timber against fungal and insect attack. It is a liquid emulsion concentrate

Physical Description / Properties

Appearance & Odour Deep blue to purple liquid. Slight amine odour
 Boiling Point >149°C
 Vapour Pressure Not determined
 Flashpoint Not applicable
 Flammability Limits Not applicable
 Viscosity 350 - 500 cps @ 25°C
 Solubility in water Forms an emulsion when diluted in water

Other Properties

Thermal decomposition May generate ammonia and oxides of carbon in a fire situation
 pH 10.0 +/- 0.5 @ 20°C (5%w/v in water)
 Incompatibility May react strongly with oxidising materials
 Specific Gravity 1.30
 Vapour density Not determined
 Corrosivity Not corrosive

Ingredients

	Chemical Name	CAS Number	Proportion g/L
Active ingredient/s	Tebuconazole	107534-35-3	6.4
	Boric Acid	10043-35-3	64
	Copper Carbonate	12069-69-1	350
	Mono-Ethanolamine	000141-43-5	602
Inerts	Di-2-Ethylhexylphthalate	117-81-7	<3
	Surfactants and Defoamers	--	105
	Water	7732-18-5	10 - 30

HEALTH HAZARD INFORMATION

Health Effects

Acute

Swallowed Harmful if swallowed. May cause nausea, dizziness, chills, irritability and variable paralysis. May result in internal damage and death.

Eye Potentially irritating to eyes and mucous membranes. Contact with the eyes may cause permanent damage. Ethanolamine is corrosive to the eyes of rabbits.

Skin May be absorbed through skin and cause damage to internal organs. May cause dermatitis and ulceration.

Inhaled Harmful by inhalation. Ethanolamine causes liver and kidney injury and reduced spermatogenesis in short term repeat dose inhalation studies in guinea pigs and dogs.

Chronic In Ames test (ie. Bacteria), Tanalith E was not mutagenic. Ethanolamine elicited adverse maternal and foetal effects in a reproductive study in rats.

First Aid

Swallowed If poisoning occurs, contact a doctor or Poisons Information Centre immediately. If swallowed, do NOT induce vomiting. Give a glass of milk followed by water.

Eye Hold eyes open and flush with plenty of water for at least 15 minutes. Remove contact lenses before flushing and seek medical attention.

Skin Remove contaminated clothing (including shoes if affected). Wash affected area with soap and water. If irritation or any effects consistent with skin absorption are present after washing, seek medical attention.

Inhaled Remove affected person to fresh air and monitor airways and breathing. If breathing has stopped administer artificial respiration. If breathing is difficult ensure airways are clear and have a qualified person give oxygen. Seek medical attention.

First Aid Facilities Emergency shower, eye wash, hand wash, soap.

Advice to Doctor Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Standards There is no exposure standard for this product, however the standards for the active constituents are as follows:

Constituent:	mg/m ³ TWA	
Copper	1.0	
Boron	1.0	
Ethanolamine	7.5	
Di-2-Ethylhexylphthalate	5.0	(10mg/m ³ STEL)

Engineering Controls Mechanical (general) ventilation is recommended if working in enclosed spaces. Otherwise general ventilation in open areas should be adequate to control inhalation exposure below current exposure limits.

Personal Protection Use good occupational work practices. The product should only be handled by persons trained to do so. When opening containers, preparing solution, wear full length overalls, a hat, goggles, elbow length PVC gloves and impervious footwear.
Note: Solution can penetrate leather shoes. Wash hands, arms and face before eating, drinking, smoking or using the toilet and at the end of the day. Wash contaminated safety equipment before reuse. Launder contaminated work clothes separately from household laundry.

SAFE HANDLING INFORMATION

Storage and Transport	Supplied in drums or bulk boxes (1000L). Store in the original closed containers (with labels visible) or in approved labelled tanks in a well ventilated cool area and away from food stuffs or incompatible materials. Storage area must be secure, bunded and not accessible to unauthorised persons. Protect drums or tanks from physical damage and check regularly for leaks. Do not locate near or contaminate food or feed either by storage or disposal. Protect from contact with acids or strong oxidising agents.
Spills and Disposal	Remove/evacuate unprotected persons. Plug or close leak if it is safe to do so. Contain and absorb spillage with sand or soil. Consult the manufacturer (Koppers-Hickson) as soon as possible after securing the spill. If at all possible prevent spillage from entering drains, sewers or water courses. If this happens advise local water authority immediately. Recover as much product as possible into suitable containers for recycling or disposal. Dispose of contaminated absorbent and waste product in an approved hydrologically secure landfill tip. Triple rinse empty drums with water and use the rinsate in the tank mix. On-site disposal of dilute or undiluted chemical is not acceptable. Clean empty drums in good condition can be returned for recycling or reuse. Unusable drums should be punctured, crushed and buried in a landfill type tip under at least 500mm or soil.
Fire/Explosion Hazard	The product is not flammable. Exposure to extreme heat (fire) may produce fumes containing copper and mono-ethanolamine. Fire exposed containers may build up pressure. Use water jets to cool fire exposed containers. Do not wash product into drains or sewers, with water jets. Evacuate down-wind residents, wear full protective clothing and self-contained breathing apparatus.

OTHER INFORMATION

Environmental Protection Ecotoxicity	The product is toxic to fish and wild life. Do not contaminate drains, sewers, streams or other water bodies with the product or used containers. Tanalith E formulated product: Oral LD ₅₀ (male rat) 741 - 760 mg/kg Oral LD ₅₀ (female rat) 650 - 651 mg/kg Dermal LD ₅₀ (rat) >2020 mg/kg Ames Test negative
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CONTACT POINT

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