

# Safety Data Sheet



## Timbertreat™ A Azole Insecticide/Fungicide Wood Preservative RTU

### 1. IDENTIFICATION

<b>Product Name:</b>	<b>Timbertreat™ A Azole Insecticide/Fungicide Wood Preservative RTU</b>
<b>Other Names:</b>	Water based azole treating solution including penetration tracer, stabilizer and mouldicide.
<b>Use:</b>	Aqueous timber preservative treating solution for use in industrial timber treatment facility.
<b>Supplier: Address:</b>	KOP-COAT AUSTRALIA PTY LIMITED Unit 1, 2 Park Road Ryalmere, NSW 2116, Australia.
<b>Telephone:</b>	(02) 9638 2755 (business hours only)
<b>Emergency phone:</b>	<b>KOP-COAT Australia 1800 023385 POISON INFORMATION CENTRE (Australia) 131126</b>

### 2. HAZARDS IDENTIFICATION

Product is hazardous according to the Australian NOHSC *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008 (2004)].  
Hazardous classification descriptions according to GHS 5<sup>th</sup> edition, 2013.

<b>Classifications:</b>	Acute toxicity: Oral Category 5 Skin category: Category 3 Eye category: Category 2A Respiratory sensitization: Category 1 Skin sensitization: Category 1 Reproductive toxicity: Category 2 Aquatic toxicity (Acute): Category 2
-------------------------	---



Signal word:

**DANGER**

**Hazard Statements :**

- H303 May be harmful if swallowed.
- H316 Causes mild skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H361 Suspected of damaging fertility or the unborn child.
- H411 Toxic to aquatic life with long lasting effects.

**Prevention Statements:**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing mist, vapours or spray.
- P264 Wash hands thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective clothing, gloves and eye protection.
- P281 Use personal equipment as required.
- P285 In case of inadequate ventilation wear respiratory protection( refer AS/NZS1715 and AS/NZS 1716).

**Response Statements:**

- P101 If medical advice is needed, have product container or label at hand.
- P312 Call a POISON CENTRE or doctor if you feel unwell.
- P308 + P313 If exposed or concerned: Get medical advice.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P333 + P313 If skin irritation or rash occurs: Get medical advice.
- P363 Wash contaminated clothing before re-use.
- P304 + P341 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.
- P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- +P338
- P337 + P313 If eye irritation persists: Get medical advice.
- P391 Collect spillage.

**Storage Statements:**

- P405 Store locked up.

**Disposal Statements:**

- P501 Dispose of product and containers in accordance with local regulations.

**3. COMPOSITION : Information on Ingredients**

Chemical Ingredient	CAS No.	Proportion (%)
Disodium octaborate tetrahydrate	12280-03-4	1 - 5
Tebuconazole	107534-96-3	1.0 – 2.0
Propiconazole	60207-90-1	1.0 – 2.0
Permethrin	52645-53-1	0.5 – 1.5
2-Butoxyethanol	111-76-2	< 10
Dipropylene glycol methyl ether	34590-94-8	< 2
Octanamide, N,N-dimethyl-	1118-92-9	< 2
Decanamide, N,N-dimethyl-	14433-76-2	< 2
Other ingredients	Proprietary	< 10
Water	7732-18-5	> 75

Date of Issue: 13 January 2015  
Date of Review: January 2020

page 2 of 7

Product is a complex mixture of a water dilution of Timbertreat™ Azole Insecticide/Fungicide Wood Preservative and additives including a stabilizer and penetration tracer. Components contributing to the hazardous classification for the mixture are shown in the composition table.

#### **4. FIRST AID MEASURES**

For advice, contact Poisons Information Centre (Phone Australia: 131126) or a doctor. Have product label or Safety Data Sheet at hand.

**Swallowed:**

Do NOT induce vomiting. Rinse mouth thoroughly with water. Get medical immediate advice.

**Inhalation:**

Move the victim to fresh air immediately and keep warm and at rest until recovered. Get medical attention if experiencing respiratory problems. Begin artificial respiration, preferably mouth-to-mouth, if breathing is laboured or has stopped, and get immediate medical assistance.

**Skin Contact:**

Remove contaminated clothing. Wash skin with plenty of soap and water. If irritation persists or rash develops, get medical attention. Launder clothing and clean contaminated equipment before re-use.

**Eye Contact:**

Immediately flush the eye continuously with gently flowing water for 15 minutes while holding the eyelids open. Remove contact lenses, if present and easy to do, after flushing eyes for 5 minutes then continue rinsing. Get medical attention.

**First Aid facilities:**

Provide eye baths and safety showers close to areas where splashing may occur.

**Advice to Physician:** Treat symptomatically.

#### **5. FIRE FIGHTING MEASURES**

Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

**Suitable extinguishing media:** Water, carbon dioxide, dry chemical.

**Hazards from combustion products:** Thermal decomposition may produce toxic fumes.

**Precautions for fire fighters and special protective equipment:** Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.

#### **6. ACCIDENTAL RELEASE MEASURES**

**Emergency Procedures:**

Prevent fluid from escaping to drains and waterways. Ensure that drain valves are closed at all times. Clean up and report spills immediately. In event of spillage contaminating a water-course, notify the appropriate authorities.

Wear appropriate personal protection equipment to prevent skin, eye and respiratory exposure. Wear approved respirator compliant with AS/NZS 1716 where mist or vapours of unknown concentrations may be generated. Self-contained breathing apparatus is recommended.

#### Methods and materials for containment

Dyke and contain spilled liquid with sand, earth or other suitable absorbent material, e.g. sand or soil, and transfer liquid and solids separately to labeled containers that can be sealed for recovery or disposal.

If large spill, dike and pump into labeled drums or containment vessel for re-use or disposal. Clean up and report spills immediately. Keep spills out of sewers, drains and open bodies of water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Read label and Safety Data Sheet before use.

Avoid breathing vapour or mists. Avoid contact with skin or eyes. Wash hands after use and before rest or meal breaks. Observe good personal hygiene practices and recommended procedures including wearing of personal protection equipment and use in well-ventilated area. When preparing or using product, or handling freshly treated timber, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves, and eye protection.

**Conditions for safe storage:** Store within a well-ventilated bunded area out of direct sunlight. Protect from physical damage. Do not contaminate water, food or feed by storage or disposal.

**Incompatible materials:** None specified.

**Other:** Changing out of work clothing and showering recommended at the end of each work shift. Wash work clothes separately from other household clothing.

## 8. EXPOSURE CONTROLS : PERSONAL PROTECTION

**Health Exposure Standards:** Workplace Exposure Standards (WES) have been set for components in this substance.

	WES-TWA	WES-STEL
Dipropylene glycol methyl ether	50 ppm (308 mg/m <sup>3</sup> )	-
2-Butoxyethanol	20 ppm (96.9 mg/m <sup>3</sup> )	50 ppm (242 mg/m <sup>3</sup> )
Disodium octaborate tetrahydrate	5 mg/m <sup>3</sup>	

**Biological limit values:** None established

#### Engineering Controls:

**Ventilation:** Use in well-ventilated area.

#### Personal Protective Equipment:

**Respiratory Protection:** Respiratory protection may be necessary under certain use conditions. Under such conditions, an approved respirator according to local standards, must be worn. Refer to AS/NZS 1715 and AS/NZS 1716 for types, selection, use and maintenance of respiratory equipment. Seek expert advice before welding or cutting equipment.

**Eye Protection:** Use safety goggles or a face-shield where there is a risk of splashing.

**Skin/ Body Protection:** Wear chemical resistant flexible-type gauntlet gloves, footwear, chemical resistant apron, and protective clothing, e.g. overalls with long sleeves that can be buttoned to neck and at wrist, and long pants, when handling product, diluted ready to use treatment solutions or freshly treated timber.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical value
Appearance	Clear to slight yellowish/brown liquid
Odour	Slight
Boiling Point/Range °C	Not available
Flash Point °C	No flammable
Density g/ml @ 20 °C	1.01 -1.02 typical
Vapour Pressure mm Hg @ 20°C	Not determined
Vapour Density kPa @ 20°C	Not determined
Autoignition Temperature °C	Not determined
Explosive Limits in Air %	Not determined
Solubility in Water	Miscible
pH	Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions.

**Conditions to avoid:** Sources of heat and ignition.

**Hazardous decomposition products:** Thermal decomposition may produce toxic or harmful components in smoke.

**Hazardous reactions:** None specified.

## 11. TOXICOLOGICAL INFORMATION

### Acute Effects:

**Ingestion:** May be harmful if swallowed in large quantity.

**Eye Contact:** Causes serious eye irritation with symptoms of discomfort, pain, tearing and redness.

**Skin Contact:** Contact with the product may cause irritation with redness and swelling. Prolonged or repeated contact may result in drying and cracking or skin and an allergic skin reaction.

**Inhalation:** Irritating to nose, throat and respiratory tract. May cause allergy or asthma symptoms or breathing difficulties.

**Chronic Effects:** Animal ingestion studies, at high doses, indicate that borate compounds cause male reproductive effects in laboratory animals. A human study of occupational exposure to borate dust showed no adverse effect on reproduction. Borate compounds have been classified as suspected of damaging fertility or the unborn child.

**Other Health Effects Information:** Possible adverse effects from repeated or prolonged exposure by ingestion, inhalation or skin contact. Individuals with pre-existing disease or a history of ailments involving skin, eye, respiratory tract, liver, kidney and central nervous system, may be at greater than normal risk of developing adverse effects when exposed to this product.

### Toxicological Information:

Active ingredients	Propiconazole	Oral, rabbit	LD <sub>50</sub> 1344 mg/kg b.w.
	Tebuconazole	Oral, mouse	LD <sub>50</sub> 1615 mg/kg b.w.
	Permethrin	Oral rat	LD <sub>50</sub> 220 mg/kg b.w.

## 12. ECOLOGICAL INFORMATION

This product contains components that are highly ecotoxic in the aquatic environment. Do not

apply directly onto or into water. Do not contaminate water ways, sewers, or drains when disposing of containers, residues or waste.

**Ecotoxicological Information:**

Propiconazole	Rainbow trout, LC <sub>50</sub>	830 µg/L (0.83 mg/L)
	Green algae, EC <sub>50</sub>	0.00022 mg/L
Tebuconazole	<i>Lemna gibba</i> (alga), EC <sub>50</sub>	0.1444 mg ai/L (frond number)
	Rainbow trout, LC <sub>50</sub>	4.4 mg/L
	<i>Daphnia magna</i> (water flea), LC <sub>50</sub> (48h)	4 mg/L
	Water flea, LC <sub>50</sub> (48h)	0.026 mg/L
Permethrin	Rainbow trout, LC <sub>50</sub>	0.0001 mg/L
	Water flea, LC <sub>50</sub> (48h)	0.16 mg/L
	Honey bee, LD <sub>50</sub>	0.024 µg/bee

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods:** Recycle product or washings back through the treatment system whenever possible. Seek advice before disposing of residues. Consult the relevant local authority for disposal of sludge or other wastes containing this product.

**Special Precautions for Landfill or Incineration:** Disposal of this product must comply with any legislative or regulatory requirements Act for which approval should be sought from the appropriate Authority.

**14. TRANSPORT INFORMATION**

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	3082	UN No.	3082	UN No.	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS, LIQUID, NOS (permethrin, propiconazole)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS, LIQUID, NOS (permethrin, propiconazole)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS, LIQUID, NOS (permethrin, propiconazole)
DG Class	9	DG Class	9	DG Class	9
Sub. Risk	-	Sub. Risk	-	Sub. Risk	-
Pack Group	III	Pack Group	III	Pack Group	III
Hazchem	3Z	Hazchem	3Z		

**Dangerous Goods Segregation**

This product if transported off-site is classified as a Dangerous Good, Class 9. Please consult the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG code) for information.



**15. REGULATORY INFORMATION**

**Country:** Australia  
**Inventory:** Australian Inventory of Chemical Substances  
**Status:** Components listed  
**APVMA Approval number:** 69683/61337 (for Preservative concentrate)  
**Hazardous classifications:** Hazardous classification descriptions according to GHS 5<sup>th</sup> edition, 2013.

**16. OTHER INFORMATION**

**Date of Issue:** 13 January 2015  
**Reasons for Issue:** New SDS for ready to use aqueous treating solution.  
**Replaces:** Not applicable.

**Abbreviations:**

AICS Australian Inventory of Chemical Substances  
APVMA Australian Pesticides and Veterinary Medicines Authority  
EPA New Zealand Environmental Protection Authority  
GHS Global Harmonised System  
HSIS Hazardous Substance Information System  
HSNO Hazardous Substances and New Organisms  
NICNAS National Industry Chemical Notification and Assessment Scheme  
NZIoC New Zealand Inventory of Chemicals  
STEL Short Term Exposure Limit (15 minute exposure period)  
TWA Time-Weighted Average (8 hours exposure period)  
WES Workplace Exposure Standard

**References:**

APVMA [www.apvma.gov.au](http://www.apvma.gov.au)  
EPA CCID [www.epa.govt.nz](http://www.epa.govt.nz)  
HSIS [www.safeworkaustralia.gov.au](http://www.safeworkaustralia.gov.au)  
Supplier Safety Data Sheets

**Other:**

Timbertreat™ is a trademark of Kop-Coat Australia Pty Ltd

The information contained herein is given in good faith but no warranty, expressed or implied is made.

END OF SAFETY DATA SHEET