Date	Mar24
Issue	006

RLA-SDS 04

Material Safety Data Sheet

SAFETY DATA SHEET

Hazardous Substance

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **TWA In-Ground Paste**

Recommended use: A ready to use timber preservative for use on timber that is in ground contact.

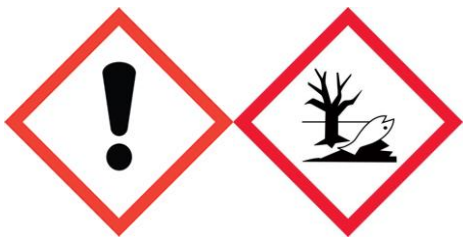
Supplier:	Preschem Pty Ltd		
ABN:	41 314 509 336		
Street Address:	147-149 Herald Street Cheltenham Vic 3192 Australia		
Telephone:	03 9532 0679	**Telephone (International):**	+61 3 9532 0679
Facsimile:	03 9532 1041	**Fax (International):**	+61 3 9532 1041

Emergency telephone number: 1800 641 711
International emergency number: +61 3 9532 0679

2. HAZARDS IDENTIFICATION

This material is classified as hazardous according to health criteria of Safe Work Australia Criteria.

Hazard Pictograms



Signal Word: Warning

Hazard Statement(s):

H302:	Harmful if swallowed.
H410:	Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P102:	Keep out of reach of children.
P262:	Do not get in eyes, on skin, or on clothing.
P264:	Wash thoroughly after handling.
P280:	Wear protective gloves/protective clothing/eye protection.
P301/P312:	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Poisons Schedule (Aust): S5 Poison

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Copper Napthenate	1338-02-9	10-30%
Paraffin Oils	8012-95-1	30-60%
Ammonium Hydroxide	1336-21-6	<1%
Water	7732-18-5	10-30%
Total		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin or hair with running water. If irritation occurs seek medical assistance.

Eye contact: Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. If irritation occurs seek medical assistance.

Ingestion: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek immediate medical assistance and for advice contact a Poisons Information centre on 13 11 26 (Australia).

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Combustible material. May emit toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Fire fighting further advice: Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Hazchem Code: None allocated.

Suitable extinguishing media: Foam or dry agent (carbon dioxide, dry chemical powder). Prevent contamination of waterways.

6. ACCIDENTAL RELEASE MEASURES

Avoid accidents, contain spillage and clean up using absorbent media such as sand or vermiculite or similar. Prevent product from entering drains of waterways. Wear protective equipment to prevent skin and eye contamination as per section 8 of this SDS. Collect and seal in properly labelled containers or drums for disposal. Eliminate all sources of ignition.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and breathing in vapour. Observe safe work practices and wear Personal Protective Equipment outlined in section 8. Observe good personal heigeine, including washing hands before eating.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

This material is a Scheduled Poison S5 (Australia) and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		CARCINOGEN	NOTICES
	ppm	mg/m3	ppm	mg/m3	CATEGORY	
Ammonia:	25	17	35	24	-	-
Copper (fume)	-	0.2	-	-	-	-
Copper Dusts and mists (as Cu)	-	1	-	-	-	-
Oil mist, refined mineral	-	5	-	-	-	-

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering measures: Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use. Ensure ventilation is adequate and that air concentrations of components are controlled bellow quoted Exposure Standards.

Personal protection equipment: OVERALLS, SAFETY SHOES, GLOVES, CHEMICAL GOGGLES.

Wear overalls, safety glasses and impervious gloves. If risk of inhalation, wear organic vapour mask/respirator meeting the requirements of AS/NZS 1715 and AN/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour:	Paste/Gel, light green with kerosene like odour.
Molecular Formula:	Mixture
Solubility:	Soluble in water.
Specific Gravity (20 °C):	0.95 @20ºC (dihydrate)
Relative Vapour Density (air=1):	Not Applicable
Vapour Pressure (20 °C):	Not Available
Flash Point (°C):	180 ºC
Flammability:	Combustible
Flammability Limits (%):	Not Applicable
Auto ignition Temperature (°C):	Not Available
Melting Point/Range (°C):	Not Available
Boiling Point/Range (°C):	Not Available
pH (1% solution):	7.5-8.5
Viscocity:	Not Available

10. STABILITY AND REACTIVITY

Chemical stability: Is stable under normal conditions of use and storage.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources

Materials to Avoid: Vigorous reaction may occur with oxidising agents, alkalis, acids, heat and ignition sources.

Decomposition: May emit toxic gasses upon decomposition or combustion.

Hazardous Reactions: Polymerisation is not expected to occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Inhalation may result in some irritation with the mucous membrane of nose and throat, causing coughing.

Skin contact: Contact with skin may result in irritation or dermatitis.

Eye contact: Low irritant. May cause discomfort and redness.

Ingestion: Can cause nausea, vomiting, abdominal pain, diarrhoea and drowsyness in large doses. Aspiration may result in chemical pneumonitis or pulmonary oedema.

Long Term Effects: Not Available.

Acute toxicity / Chronic toxicity

Copper Naphthenate	Oral LD_{50} (mouse):	1897 mg/kg
Paraffin Oil	Oral LD_{50} (mouse):	>5000 mg/kg
Ammonium Hydroxide	Oral LD_{50} (mouse):	350 mg/kg

12. ECOLOGICAL INFORMATION

Avoid contaminating soil and waterways.

Ecotoxicity: Mineral oils biodegrade slowly. They can float on water, restricting oxygen exchange with possible asphyxiation of aquatic life.

Persistence and degradability: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

MARINE TRANSPORT
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN Number:	3082
Dangerous Goods Class:	9
Packaging Group:	III
Hazchem Code	3Z

The environmentally hazardous substance mark is not required when transported in packages of less than 5 kg/L (UN Model Regulations: Special Provision 375; IATA: Special Provision A197; IMDG: Special Provision 969) or less than 500 kg/L by Australian Road and Rail.

15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work Australia

Poisons Schedule (Aust): S5

This material is listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Literary reference

This Safety Data Sheet has been prepared by Preschem Pty Ltd.

Reason(s) For Issue: mandatory 5 year review

Issue Date: 01-Mar-2024 Supersedes Issue Date: 19-Oct-2024

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Preschem Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.