



Timber Preserver Safety Data Sheet

Date	Mar24
Issue	006

SDS 11

Hazardous Substance, NON-Dangerous Goods.

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: Preschem Timber Preserver

Recommended use: Brush on timber treatment to protect against exterior timber decay.

Supplier: Preschem Pty Ltd
ACN: 006 867 929
Street Address: 147-149 Herald Street
Cheltenham 3192
Australia

Telephone: 03 9532 0679
Facsimile: 03 9532 1041

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Emergency telephone number: 0419 900 452
International emergency number: +61 0 419 900 452

2. HAZARDS IDENTIFICATION

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

Hazard Pictograms



Signal Word: Warning

Hazard Statement(s):

H302: Harmful if swallowed.
H315: Causes Skin Irritation.
H227: Combustible liquid.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P102: Keep out of reach of children.
P202: Do not handle until all safety precautions have been read and understood.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing.
P301/P312: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician if you feel unwell.

Poisons Schedule (Aust): S6

3. COMPOSITION INFORMATION

CHEMICAL ENTITY
Copper Napthenate

CAS NO.
1338-02-9

PROPORTION
2.5 - 5%

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Copper salt of aliphatic acid	None allocated	2.5 - 5%
Liquid Hydrocarbon	8008-20-6	90-95%
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. If pain or redness persist, 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 advice.

Notes to physician: Treat symptomatically. Inhalation or aspiration can cause onset of pulmonary oedema.

5. FIRE-FIGHTING MEASURES

Specific hazards: Combustible liquid (C1 combustible). This product will burn if exposed to fire. If the product is heated to temperatures above the flash point, an explosive air-vapour mixture may result.

Fire fighting further advice: On burning may emit toxic fumes, including carbon monoxide and produces copper oxides. Fire Fighters to wear self contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code: Not applicable.

Suitable extinguishing media: Foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Slippery when spilt. Avoid accidents, eliminate all sources of ignition and clean up immediately. Wear protective equipment to prevent skin and eye contamination and to avoid breathing in vapour. Contain large volumes of spilt material with sand or earth. Collect using pump or vacuum and finish off with dry chemical absorbent and seal in properly labelled containers or drums for disposal. Contact the EPA if large quantities enter waterways or drains.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and breathing in vapour by wearing gloves, protective clothing and organic vapour rated P2 masks if ventilation is inadequate.



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Heigene: Wash hands after use and do not smoke, eat or drink while handling this material.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

No value assigned for this specific material by the Hazardous Chemical Information System (HCIS). However, the manufacturer of the solvent used in this product recommends:

	TWA		STEL		CARCINOGEN	NOTICES
	ppm	mg/m3	ppm	mg/m3	CATEGORY	
Distillate Solvent:	100	-	-	-	-	-
Copper (fume)	-	0.2	-	-	-	-
Copper Dusts and mists (as Cu)	-	1	-	-	-	-

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.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation of while wearing dust mask. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, NITRILE GLOVES, SAFETY GLASSES, RESPIRATOR.

Wear overalls, safety glasses and nitrile gloves. If engineering controls are not effective in controlling airborne exposure, then wear a chemical 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:	Green liquid with kerosene like odour.
Molecular Formula:	Copper naphthenate karboxylate
Solubility:	Insoluble in water
Specific Gravity (20 °C):	0.915 @20°C
Relative Vapour Density (air=1):	Not Available
Vapour Pressure (20 °C):	<0.1kPa
Flash Point (°C):	>64
Evaporation Rate:	Not Available
Flammability Limits (%):	
LEL (%):	0.6



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UEL (%):	7.0
Autoignition Temperature (°C):	Not Available
Boiling Point/Range (°C):	150 - 280
Melting Point/Range (°C):	Not Applicable
pH:	N Applicable
Partial coefficient: n-octanol/water:	Not Available
Viscosity:	Not Available

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to Avoid: None known.

Incompatible Materials: Oxidising agents, strong acids and strong alkalis.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: Contact with acids will result in the evolution of toxic gases.

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: Vapour concentrations are irritating to the eyes and respiratory tract. May cause headaches and dizziness, are anaesthetic and may have other central nervous system effects.

Skin contact: Contact with skin may result redness, itchiness and irritation.

Eye contact: May cause physical irritation, redness and pain to the eyes.

Ingestion: Harmful: may cause lung damage if swallowed. Ingestion may cause nausea and vomiting. If vomiting occurs product may be aspirated into the lungs leading to chemical pneumonitis. Ingestion of large doses of copper may cause stomach and intestinal ulceration, jaundice, kidney and liver damage.

Long Term Effects: Prolonged exposure to the skin may cause dermatitis. Repeated ingestion of copper may damage the liver and kidneys.

Acute toxicity / Chronic toxicity

No LD50 data available for the product. However:

Hydrocarbon solvent:	Oral LD50 (rat):	>2000 mg/kg
Copper Naphthenate:	Oral LD ₅₀ (mouse):	1897 mg/kg

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity: No information available for product. However for Paraffin Oils, Low (>100mg/L).



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Aquotic Toxicity: No information available for product. However for Copper Naphthenate, toxic to aquatic life with long lasting effects (0.044mg/l fresh water, 3,300 to 10,000 µg/l marine water).

Persistence and degradability: No information available for product.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority and the EPA.

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: Classified as hazardous according to criteria of Safe Work Australia

Poisons Schedule (Aust): S6 Poison

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.

Issue Date: 006/07/03/2024/RB

Supersedes Issue Date: 005/19/05/2024/RB

Reason(s) For Issue: 5 year Revision



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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.