Date	Oct19
Issue	007

MSDS 09

Hazardous Substance, Non - Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **TWA Woodtreat LTF**

Recommended use: Ready to use timber preservative to protect against fungal decay and insect attack.

Supplier: Preschem Pty Ltd
ABN: 41 314 509 336

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Australia
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2. HAZARDS IDENTIFICATION

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

Hazard Pictograms

Signal Word: Danger

Hazard Statement(s):

H304:	May be fatal if swallowed and enters airways.
H315:	Causes Skin Irritation.
H336:	May cause drowsiness or dizziness.
H227:	Combustible liquid.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P102:	Keep out of reach of children.
P103:	Read label before use.
P202:	Do not handle until all safety precautions have been read and understood.
P270:	Do not eat, drink or smoke when using this product.
P210:	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280:	Wear protective gloves/protective clothing.
P301/P310:	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P331:	Do NOT induce vomiting.

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

Poisons Schedule (Aust): S6

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Copper Napthenate	1338-02-9	2.5 - 5%
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 will emit toxic fumes, including those of oxides of carbon and copper. 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. 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.

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:		1200	-	-	-	-

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 napthenate 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
UEL (%):	7.0
Autoignition Temperature (°C):	Not Available
Boiling Point/Range (°C):	150 - 280
Melting Point/Range (°C):	Not Applicable
pH:	Not 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, for the solvent:

Oral LD50 (rat): >2000 mg/kg

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard: This material has been classified as a Category Chronic 2 Hazard. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): 1 - 10 mg/L, where the substance is not rapidly degradable and/or BCF ≥ 500 and/or log K_{ow} ≥ 4.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

UN Number:	3082
DG Class:	9
DG Subsidiary Class:	Not Applicable
Packaging Group:	III
Hazchem:	3Z

ROAD AND RAIL TRANSPORT
Classified as Dangerous Goods by the criteria of the “Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in;
(c) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or
(d) IBCs.

MARINE TRANSPORT
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This Material is classified as a Marine Pollutant according to the international Dangerous Goods Code

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

15. REGULATORY INFORMATION

Classification: Classified as Hazardous according to criteria of Safe Work Australia

Poisons Schedule (Aust): S6

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

16. OTHER INFORMATION

Literary References

AS/NZS 1336 Recommended Practices for Occupational Eye Protection.

AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices.

AS/NZS 1716 Respiratory Protective Devices.

AS 1940 The Storage and Handling of Flammable and Combustible Liquids.

AS 2161 Industrial Safety Gloves and Mittens (excluding electrical and medical gloves).

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

Reason(s) For Issue: Change of Distributor

Issue Date: 07-Oct-2018 Supersedes Issue Date: 26-Nov-2018

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