

# MATERIAL SAFETY DATA SHEET

Hazardous Substance, NON-Dangerous Goods.

## 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **TWA Heavy Oil Preservative**

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

**Supplier:** Thomson White Australia Pty Ltd

**ACN:** 057 661 319

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Dandenong Vic 3175  
Australia

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**International emergency number:** +61 1800 039 008

## 2. HAZARDS IDENTIFICATION

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

**Hazard Category:**

Xn Harmful

Xi Irritant

**Risk Phrase(s):**

R38: Irritating to skin.

R65: Harmful: may cause lung damage if swallowed.

**Safety Phrase(s)**

S23: Do not breathe gas/fumes/vapour/spray.

S24/25: Avoid contact with skin and eyes.

S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

Not 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%
Paraffin Oils	8012-95-1	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 dust.

**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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National occupational exposure limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia). However, the manufacturer of the solvent used in this product recommends:

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>		
Distillate Solvent:	100	-	-	-	-	-

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 [NOHSC: 1005 (1994)]" 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

<b>Form / Colour / Odour:</b>	Green liquid with kerosene like odour.
<b>Molecular Formula:</b>	Copper naphthenate karboxylate
<b>Solubility:</b>	Insoluble in water
<b>Specific Gravity (20 °C):</b>	0.93 @20°C
<b>Relative Vapour Density (air=1):</b>	N Av
<b>Vapour Pressure (20 °C):</b>	<0.1kPa
<b>Flash Point (°C):</b>	>64
<b>Flammability Limits (%):</b>	
<b>LEL (%):</b>	0.6
<b>UEL (%):</b>	7.0
<b>Autoignition Temperature (°C):</b>	N Av
<b>Boiling Point/Range (°C):</b>	150 - 280
<b>pH:</b>	N App
<b>Viscosity:</b>	N Av

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

## 10. STABILITY AND REACTIVITY

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

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

## 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.

**Ecotoxicity:** No information available.

**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**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

##### **MARINE TRANSPORT**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

##### **AIR TRANSPORT**

Not 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 NOHSC Australia

**Poisons Schedule (Aust):** S6 Poison

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

#### 16. OTHER INFORMATION

##### **Literary reference**

This Material Safety Data Sheet has been prepared by Thomson White Australia Pty Ltd.

Reason(s) For Issue: Revision

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

This MSDS 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 Thomson White Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS 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.