



## SAFETY DATA SHEET

Product Name **LIFEWOOD CCA TREATED TIMBER**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier name** KOPPERS PERFORMANCE CHEMICALS AUSTRALIA PTY LTD  
**Address** Cafpirco Road, Mount Gambier, SA, 5290, AUSTRALIA  
**Telephone** (08) 8723 1399  
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**Web site** [www.kopperspc.com.au](http://www.kopperspc.com.au)  
**Synonym(s)** LIFEWOOD - CCA TREATED TIMBER  
**Use(s)** BUILDING APPLICATIONS • TIMBER  
**SDS date** 12 December 2014

### 2. HAZARDS IDENTIFICATION

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA**

**Risk Phrases**

None allocated

**Safety Phrases**

None allocated

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

<b>UN Number</b>	None Allocated	<b>Transport Hazard Class</b>	None Allocated
<b>Packing Group</b>	None Allocated	<b>Hazchem Code</b>	None Allocated

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EC Number	Content
ARSENIC	7440-38-2	231-148-6	<0.8%
CHROMIUM	7440-47-3	231-157-5	<0.8%
TIMBER (SOFTWOOD/HARDWOOD)	-	-	>98%
COPPER	7440-50-8	231-159-6	<0.5%
PRESERVATIVE(S)	-	-	Not Available

### 4. FIRST AID MEASURES

**Eye** Exposure is considered unlikely.

**Inhalation** Due to product form / nature of use, an inhalation hazard is not anticipated (unless sanding and creating wood dust).

**Skin** Due to product form, acute skin hazards are not anticipated. If irritation occurs, seek medical advice.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.

**Advice to doctor** Treat symptomatically.

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**First aid facilities**                      Eye wash facilities should be available.

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## 5. FIRE FIGHTING MEASURES

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**Flammability**                      Combustible. May evolve toxic gases (carbon/ chromium/ arsenic/ copper oxides) when heated to decomposition. Dust may form explosive mixtures with air.

**Fire and explosion**                      Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

**Extinguishing**                      Water spray or fog, for large quantities. Prevent contamination of drains and waterways.

**Hazchem code**                      None Allocated

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions**                      Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

**Environmental precautions**                      Prevent product from entering drains and waterways.

**Methods of cleaning up**                      If spilt, collect and reuse where possible.

**References**                      See Sections 8 and 13 for exposure controls and disposal.

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## 7. STORAGE AND HANDLING

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**Storage**                      Store in a cool, dry area.

**Handling**                      Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Arsenic & soluble compounds (as As)	SWA (AUS)	--	0.05	--	--
Chromium Metal	SWA (AUS)	--	0.5	--	--
Copper (fume)	SWA (AUS)	--	0.2	--	--
Copper, dusts & mists (as Cu)	SWA (AUS)	--	1	--	--
Wood dust (certain hardwoods such as beech & oak)	SWA (AUS)	--	1	--	--
Wood dust (soft wood)	SWA (AUS)	--	5	--	10

### Biological limits

Ingredient	Determinant	Sampling Time	BEI
ARSENIC	Inorganic arsenic plus methylated metabolites in urine	End of workweek	35 µg/L
CHROMIUM	Total chromium in urine	End of shift at end of workweek	25 µg/L
	Total chromium in urine	Increase during shift	10 µg/L

Reference: ACGIH Biological Exposure Indices

**Engineering controls**                      Avoid inhalation. Use in well ventilated areas. If sanding, drilling or cutting, use appropriate local extraction ventilation. Maintain dust levels below the recommended exposure standard.

**PPE**

<b>Eye / Face</b>	Wear dust-proof goggles.
<b>Hands</b>	Wear leather or cotton gloves.
<b>Body</b>	Not required under normal conditions of use.
<b>Respiratory</b>	If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	GREY/GREEN COLOURED SOLID
<b>Odour</b>	SLIGHT ODOUR
<b>Flammability</b>	COMBUSTIBLE
<b>Flash point</b>	NOT AVAILABLE
<b>Boiling point</b>	NOT AVAILABLE
<b>Melting point</b>	NOT AVAILABLE
<b>Evaporation rate</b>	NOT AVAILABLE
<b>pH</b>	NOT AVAILABLE
<b>Vapour density</b>	NOT AVAILABLE
<b>Specific gravity</b>	NOT AVAILABLE
<b>Solubility (water)</b>	INSOLUBLE
<b>Vapour pressure</b>	NOT AVAILABLE
<b>Upper explosion limit</b>	NOT AVAILABLE
<b>Lower explosion limit</b>	NOT AVAILABLE
<b>Partition coefficient</b>	NOT AVAILABLE
<b>Autoignition temperature</b>	NOT AVAILABLE
<b>Decomposition temperature</b>	NOT AVAILABLE
<b>Viscosity</b>	NOT AVAILABLE
<b>Explosive properties</b>	NOT AVAILABLE
<b>Oxidising properties</b>	NOT AVAILABLE
<b>Odour threshold</b>	NOT AVAILABLE
<b>% Volatiles</b>	NOT AVAILABLE

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## 10. STABILITY AND REACTIVITY

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<b>Chemical stability</b>	Stable under recommended conditions of storage.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Material to avoid</b>	Compatible with most commonly used materials.
<b>Hazardous Decomposition Products</b>	May evolve toxic gases (carbon/ chromium/ arsenic/ copper oxides) when heated to decomposition.
<b>Hazardous Reactions</b>	Polymerization is not expected to occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Health Hazard Summary</b>	Low acute toxicity. This product may present a hazard if wood is sanded, drilled or cut with dust generation. Wood dust is classified as carcinogenic to humans (IARC Group 1). Adverse health effects are usually associated with long-term exposure to high dust levels. Arsenic is classified as carcinogenic to humans (IARC Group 1), however due to nature of product adverse effects may be reduced. Use safe work practices to avoid generating dust.
<b>Eye</b>	Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if wood is cut or sanded with dust generation, which may result in lacrimation and irritation.
<b>Inhalation</b>	Due to product form and nature of use, the potential for exposure is reduced. An inhalation hazard is not anticipated unless cut, drilled or sanded with dust generation, which may result in irritation of the nose and throat. Chronic exposure to wood dust may result in result in nasal and paranasal sinus cancers (IARC Group 1).

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**Skin**                                      Low irritant. Prolonged or repeated exposure to dust may result in irritation and dermatitis.

**Ingestion**                                Ingestion is considered unlikely due to product form.

**Toxicity data**                            CHROMIUM (7440-47-3)

    LDLo (ingestion)                            71 mg/kg (human)

    TDLo (ingestion)                           1.2 mg/kg/6 weeks (rat)

    COPPER (7440-50-8)

    LD50 (skin)                                 > 2000 mg/kg (rat)

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**12. ECOLOGICAL INFORMATION**

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**Toxicity**                                    No information provided.

**Persistence and degradability**    No information provided.

**Bioaccumulative potential**        No information provided.

**Mobility in soil**                        No information provided.

**Other adverse effects**                No information provided.

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**13. DISPOSAL CONSIDERATIONS**

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**Waste disposal**                        Dispose of to an approved landfill site. Do not burn treated timber. Contact the manufacturer for additional information.

**Legislation**                                Dispose of in accordance with relevant local legislation.

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**14. TRANSPORT INFORMATION**

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**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

	<b>LAND TRANSPORT (ADG)</b>	<b>SEA TRANSPORT (IMDG / IMO)</b>	<b>AIR TRANSPORT (IATA / ICAO)</b>
<b>UN Number</b>	None Allocated	None Allocated	None Allocated
<b>Proper Shipping Name</b>	None Allocated	None Allocated	None Allocated
<b>Transport Hazard Class</b>	None Allocated	None Allocated	None Allocated
<b>Packing Group</b>	None Allocated	None Allocated	None Allocated

**Environmental hazards**                No information provided

**Special precautions for user**

**Hazchem code**                        None Allocated

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**15. REGULATORY INFORMATION**

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**Poison schedule**                        A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Inventory Listing(s)**                    **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
All components are listed on AICS, or are exempt.

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**16. OTHER INFORMATION**

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**Additional information**

The CCA (copper, chrome arsenic) treatment protects against fungal and insect attacks. Koppers Performance Chemicals Australia Pty Ltd DO NOT SUPPLY LIFEWOOD - CCA TREATED TIMBER. THIS IS TREATED AND DISTRIBUTED BY INDEPENDENT TIMBER TREATERS. THIS SDS SHOULD ONLY BE USED AS A GUIDE.

Do not burn treated timber. Do not use treated timber as mulch.

**ARSENIC EXPOSURE:** Acute arsenic ingestion generally produces symptoms within 30 to 60 minutes, but onset may be delayed for several hours if ingested with food. A metallic or garlic taste, vomiting, abdominal pain, dysphagia, and profuse watery (rice-like) and sometimes bloody diarrhoea may occur. Dehydration, intense thirst, & fluid-electrolyte disturbances are common. Hypovolemia from capillary leaking ("third spacing" of fluids) is a common early sign. Systemic arsenic poisoning from occupational exposure is uncommon. Arsenic workers have developed a hoarse voice, nasal irritation and possible perforation of the nasal septum, irritation of eyes, skin, and mucous membranes, and rarely, cirrhosis of the liver. Nausea and vomiting are infrequent. Painful ulceration of the wrist and scrotal skin, lips, and nostrils may develop with dust exposure. The primary target organs initially are the gastrointestinal tract, heart, brain, and kidneys. Eventually the skin, bone marrow, and peripheral nervous system may be significantly damaged. The peripheral neuropathy appears similar regardless of the route of exposure.

**RESPIRATORS:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m <sup>3</sup>	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

**Revision history**

Revision	Description
2.2	Standard SDS Review
2.1	Standard SDS Review
2.0	Standard SDS Review
1.1	Standard SDS Review
1.0	Initial SDS creation

**Product Name**      **LIFEWOOD CCA TREATED TIMBER**

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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**End of SDS**