

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

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name**      **OSMOSE (AUSTRALIA) PTY LTD**  
**Address**              Cafpirco Road, Mount Gambier, SA, AUSTRALIA, 5290  
**Telephone**            (08) 8723 1399  
**Fax**                      (08) 8732 0010  
**Emergency**           1800 088 809  
**Email**                  customerservices@osmose.com.au  
**Web Site**              <http://www.osmose.com.au/>  
**Synonym(s)**           LIFEWOOD - CCA TREATED TIMBER  
**Use(s)**                  BUILDING APPLICATIONS • TIMBER  
**MSDS Date**            19 Feb 2009

### 2. HAZARDS IDENTIFICATION

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC CRITERIA**

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

<b>UN No.</b>	None Allocated	<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>EPG</b>	None Allocated

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
ARSENIC	As	7440-38-2	<0.8%
CHROMIUM	Cr	7440-47-3	<0.8%
TIMBER (SOFTWOOD/HARDWOOD)	Not Available	Not Available	>98%
COPPER	Cu	7440-50-8	<0.5%
PRESERVATIVES	Not Available	Not Available	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.

**Skin**                    If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.

**Ingestion**            For advice, contact a Poisons 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

**First Aid Facilities**   Eye wash facilities should be available.

**5. FIRE FIGHTING MEASURES**

<b>Flammability</b>	Combustible - potentially explosive dust, however due to the nature of use the risk is low. May evolve toxic gases (carbon/ chromium /arsenic/ copper oxides) when heated to decomposition.
<b>Fire and Explosion</b>	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.
<b>Extinguishing</b>	Water spray or fog, for large quantities. Prevent contamination of drains or waterways.
<b>Hazchem Code</b>	None Allocated

**6. ACCIDENTAL RELEASE MEASURES**

<b>Spillage</b>	If spilt, collect and reuse where possible.
-----------------	---

**7. STORAGE AND HANDLING**

<b>Storage</b>	Store in cool, dry area.
<b>Handling</b>	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.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

Exposure Stds	Ingredient	Reference	TWA		STEL	
			ppm	mg/m3	ppm	mg/m3
	Arsenic & soluble compounds (as As)	ASCC (AUS)	--	0.05	--	--
	Chromium Metal	ASCC (AUS)	--	0.5	--	--
	Copper (fume)	ASCC (AUS)	--	0.2	--	--
	Copper, dusts & mists (as Cu)	ASCC (AUS)	--	1	--	--

Biological Limits	Ingredient	Reference	Determinant	Sampling Time	BEI
	ARSENIC	ACGIH BEI	Inorganic arsenic plus methylated metabolites in urine	End of workweek	35 mg As/L

<b>Engineering Controls</b>	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.
-----------------------------	--

<b>PPE</b>	Wear cotton or leather gloves. Where a dust or fire ash inhalation risk is present, wear a Class P1 (Particulate) respirator. If cutting or sanding with potential for dust generation, wear: dust-proof goggles and a Class P1 (Particulate) respirator.
------------	---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	GREY/GREEN COLOURED SOLID	<b>Solubility (Water)</b>	INSOLUBLE
<b>Odour</b>	SLIGHT ODOUR	<b>Specific Gravity</b>	NOT AVAILABLE
<b>pH</b>	NOT AVAILABLE	<b>% Volatiles</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	NOT AVAILABLE	<b>Flammability</b>	COMBUSTIBLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	NOT AVAILABLE
<b>Boiling Point</b>	NOT AVAILABLE	<b>Upper Explosion Limit</b>	NOT AVAILABLE
<b>Melting Point</b>	NOT AVAILABLE	<b>Lower Explosion Limit</b>	NOT AVAILABLE
<b>Evaporation Rate</b>	NOT AVAILABLE		

---

**10. STABILITY AND REACTIVITY**

---

<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.

---

**11. TOXICOLOGICAL INFORMATION**

---

<b>Health Hazard Summary</b>	Low toxicity. This product may only present a hazard if wood is sanded, drilled or cut with dust generation. Avoid generating dust. 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 are not anticipated.
<b>Eye</b>	Due to product form and nature of use, an eye hazard is not anticipated. 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>	Exposure considered unlikely. 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.
<b>Skin</b>	Low irritant. Prolonged or repeated exposure to dust may result in irritation and dermatitis.
<b>Ingestion</b>	Ingestion is considered unlikely due to product form.
<b>Toxicity Data</b>	ARSENIC (7440-38-2) Carcinogenicity: Confirmed human carcinogen (IARC Group 1) Health Surveillance: Required [NOHSC:1005(1994)] LD50 (Ingestion): 145 mg/kg (mouse) TDLo (Ingestion): 7857 mg/kg/55Y (man - gastrointestinal; skin) CHROMIUM (7440-47-3) LDLo (Ingestion): 71 mg/kg (human) TDLo (Ingestion): 1.2 mg/kg/6 weeks (rat) COPPER (7440-50-8) LD50 (Intraperitoneal): 3500 ug/kg (mouse) LDLo (Subcutaneous): 375 mg/kg (Rabbit) TDLo (Ingestion): 120 ug/kg (human - gastrointestinal upset)

---

**12. ECOLOGICAL INFORMATION**

---

<b>Environment</b>	Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.
--------------------	--

---

**13. DISPOSAL CONSIDERATIONS**

---

<b>Waste Disposal</b>	Dispose of to an approved landfill site. Do not burn treated timber. Contact the manufacturer for additional information.
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

---

**14. TRANSPORT INFORMATION**

---

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

<b>Shipping Name</b>	None Allocated				
<b>UN No.</b>	None Allocated	<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>EPG</b>	None Allocated

---

**15. REGULATORY INFORMATION**

---

<b>Poison Schedule</b>	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>AICS</b>	All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

---

**16. OTHER INFORMATION**

---

<b>Additional Information</b>	The CCA (copper, chrome arsenic) treatment protects against fungal and insect attacks.
	Osmose Australia DO NOT SUPPLY LIFEWOOD - CCA TREATED TIMBER. THIS IS TREATED AND DISTRIBUTED BY INDEPENDENT TIMBER TREATERS. THIS MSDS SHOULD ONLY BE USED AS A GUIDE.

**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.

**ABBREVIATIONS:**

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EINECS - European INventory of Existing Commercial chemical Substances.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m<sup>3</sup> - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

NTP - National Toxicology Program.

OSHA - Occupational Safety and Health Administration.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

TWA/ES - Time Weighted Average or Exposure Standard.

**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 Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this Chem Alert 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.

**Report Status**

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer 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.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, 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 MSDS.

**Prepared By**

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: [info@rmt.com.au](mailto:info@rmt.com.au)  
Web: [www.rmt.com.au](http://www.rmt.com.au)

**Product Name      LIFEWOOD CCA TREATED TIMBER**

**MSDS Date:** 19 Feb 2009

**End of Report**

CHEM ALERT