

Safety Data Sheet

CCA Treated Timber

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name Porta Products Pty Ltd

Address 1 Sandy Lane, Bombala, NSW, Australia, 2632

Telephone 1300 300 547 / 02 4340 9800

Facsimile 1300 320 547 / 02 4340 5841

Emergency 1300 300 547

Synonyms CCA Treated Timber

Use Building applications, timber

2. HAZARD IDENTIFICATION

Classification of the substance or mixture NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

GHS Label Elements No signal word, pictograms, hazard or precautionary statements have been allocated.

Other Hazards No information provided.

3. COMPOSITION / INFORMATION OF INGREDIENTS

Ingredient	CAS No.	EC No.	Content
Arsenic	7440-38-2	231-148-6	<0.8%
Chromium	7440-47-3	231-157-5	<0.8%
Copper	7440-50-8	231-159-6	<0.5%
Timber (softwood)	-	-	>98%
Preservative(s)	-	-	N Av

4. FIRST AID MEASURES

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.

Eye Exposure is considered unlikely.

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

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

First Aid Facilities Eye wash facilities should be available.

Most important symptoms and effects, both acute and delayed See Section 11 for more detailed information on health effects and symptoms.

Immediate medical attention and special treatment needed Treat symptomatically.

5. FIRE FIGHTING MEASURES

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

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

Advice for Firefighters 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 water fog to cool intact

containers and nearby storage areas.

Hazchem Code None allocated.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear personal protective equipment (PPE) as detailed in Section 8.

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.

7. STORAGE AND HANDLING

Precautions for safe 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.

Conditions for safe storage, including any incompatibilities Store in a cool, dry area.

Specific End Uses No information provided.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

EXPOSURE STANDARDS

Ingredient	TWA		STEL		Reference
	ppm	mg/ m ³	ppm	mg/ m ³	
Arsenic and soluble compounds	-	0.01	-	-	SWA [Proposed]
Arsenic and soluble compounds (as As)	-	0.05	-	-	SWA [AUS]
Chromium Metal	-	0.5	-	-	SWA [AUS]
Copper (fume)	-	0.2	-	-	SWA [AUS]
Copper (fume, dusts and mists)	-	0.01	-	-	SWA [Proposed]
Copper, dusts and mists (as Cu)	-	1	-	-	SWA [AUS]
Wood dust	-	0.5	-	-	SWA [Proposed]

BIOLOGICAL LIMITS

Ingredient	Reference	Determinant	Sampling Time	BEI
Arsenic	ACGIH BEI	Inorganic arsenic plus methylated metabolites in urine	End of workweek	35 µg As/L
Chromium	ACGIH BEI	Total chromium in urine	End of shift at end of workweek	0.7 µg/L

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.

Eye Protection Wear dust-proof goggles.

Hands Wear leather or cotton gloves.

Body Not required under normal conditions of use.

Respiratory If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Grey/green coloured solid

Odour Slight odour

Flammability Combustible

Flash Point (°C) N Av

Boiling point N Av

Melting Point N Av

Evaporation Rate N Av

pH N Av

Vapour Density N Av

Solubility (water) Insoluble

Vapour Pressure N Av

Upper Explosion limit N Av

Lower Explosion limit N Av

Partition Coefficient N Av

Autoignition Temperature N Av

Decomposition Temperature N Av

Viscosity N Av

Explosive Properties N Av

Oxidising Properties N Av

Odour Threshold N Av

N Av = Not Available, N App = Not Applicable

10. STABILITY AND REACTIVITY

Reactivity Carefully review all information provided in section 10.

Chemical Stability Stable under recommended conditions of storage.

Possibility of Hazardous Reactions Polymerization is not expected to occur.

Conditions to Avoid Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials Compatible with most commonly used materials.

Hazardous Decomposition Products May evolve toxic gases (carbon/ chromium/ arsenic/ copper oxides) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

This product is expected to be of low acute toxicity. Under normal conditions of use, adverse health effects are not anticipated. However, this product may present a hazard if wood is sanded, drilled or cut with dust generation. **Information available for the ingredients:**

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
Arsenic	145 mg/kg (mice)	-	-
Chromium	>5000 mg/kg (rat)	-	>5.41 mg/L/4hrs (rat)
Copper	-	>2000 mg/kg (rat)	-

Skin Not classified as a skin irritant. Prolonged or repeated exposure to dust may result in mechanical irritation and dermatitis.

Eye Not classified as an eye irritant. 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.

Sensitisation Not classified as causing skin or respiratory sensitisation. However, some sensitive individuals may exhibit an allergic response, possibly due to trace amounts of chromium.

Mutagenicity Insufficient data available to classify as a mutagen.

Carcinogenicity Not classified as a carcinogen. However, repeated exposure to wood dust may result in nasal and paranasal sinus cancers (IARC Group 1). Adverse health effects are usually associated with long-term exposure to high dust levels. Arsenic and chromium are classified as carcinogenic to humans (IARC Group 1), however due to the nature of the product and trace amounts present, adverse effects are reduced.

Reproductive Insufficient data available to classify as a reproductive toxin.

STOT - Single Exposure Not classified as causing organ damage from single exposure. 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.

STOT - Repeated Exposure Not classified as causing organ damage from repeated exposure. However, arsenic is a cumulative poisons, and symptoms are often delayed.

Aspiration Not classified as causing aspiration.

12. ECOLOGICAL INFORMATION

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.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG (LAND TRANSPORT) CODE, IMDG/ IMO (SEA TRANSPORT) OR IATA/ICAO (AIR TRANSPORT)

UN Number None Allocated

Proper Shipping Name None Allocated

Transport Hazard Class None Allocated

Packing Group None Allocated

Environmental Hazards No information provided

Hazchem Code None allocated.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

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).

Classifications Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

Inventory Listings AUSTRALIA: AIIIC (Australian Inventory of Industrial Chemicals). All components are listed on AIIIC, or are exempt.

16. OTHER INFORMATION

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 form of product, 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: form of product; 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 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. European Community Number

EMS Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)

GHS Globally Harmonized System

GTEPG Group Text Emergency Procedure Guide IARC International Agency for Research on Cancer

IARC International Agency for Research on Cancer

LC50 Lethal Concentration, 50% / Median Lethal Concentration

LD50 Lethal Dose, 50% / Median Lethal Dose

mg/m³ 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

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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.

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