# SAFETY DATA SHEET

Date of Issue: 27 August 2015
Issue Number: 02

## 1. PRODUCT AND COMPANY IDENTIFICATION

## PRODUCT : CCA Treated Timber

**OTHER NAMES:** CCA Timber, Timber Treated with CCA

**USES:** Building Applications, Construction


**Supplier Name:** **TIMTECHCHEM AUSTRALIA PTY LTD**
**Address:** Unit 4/727 Deception Bay Road, Rothwell, QLD 4022, Australia
**Telephone:** +61 7 3293 2651
**Fax:** +61 7 3203 0083
**Emergency:** 1800 039 008


## 2. HAZARD IDENTIFICATION

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

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

**UN No.** None Allocated **DG Class** None Allocated

**Subsidiary Risk(s)** None Allocated

**Packing Group** None Allocated **Hazchem Code** None Allocated **EPG** None Allocated

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Common Name/Ingredient | Formula | CAS No. | Content (% w/v) |
|---|---|---|---|
| ARSENIC ACID | As-H3-O4 | 7778-39-4 | < 1% |
| CHROMIUM (VI) OXIDE | Cr-O3 | 1333-82-0 | < 1% |
| WOOD | Not Available | Not Available | > 95% |
| COPPER (II) OXIDE | Cu-O | 1317-38-0 | < 1% |

## 4. FIRST AID MEASURES

**EYES:**
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 a 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

## 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.

**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 or waterways.

**HAZCHEM CODE:** None Allocated

## 6. ACCIDENTAL RELEASE MEASURES

**SPILLAGE:**
If spilt, collect and reuse where possible.

## 7. STORAGE AND HANDLING

**STORAGE:**
Store in 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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE STANDARDS:**

| Ingredient | Reference | TWA | | STEL | |
|---|---|---|---|---|---|
| | | Ppm | Mg/m3 | Ppm | Mg/m3 |
| Copper (fume) | ASCC (AUS) | - | 0.2 | - | - |
| Copper, dusts & mists (as Cu) | ASCC (AUS) | - | 1 | - | - |

| | | |
|---|---|---|
| Arsenic Acid | ES – TWA | 0.05 mg/m3 as Arsenic |
| Chromium Trioxide | ES – TWA | 0.05 mg/m3 (Chromium VI compounds) |
| Wood | ES – TWA | 1 mg/m3 Some hardwoods / 5 mg/m3 Softwoods |

**BIOLOGICAL LMITS:**
No biological limit allocated.

**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.

**PERSONAL PROTECTION:**
Wear dust-proof goggles, cotton or leather gloves ad a Class P1 (Particulate) respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Appearance** | Solid | **Solubility (Water** | Not Available |
| **Odour** | Slight Odour | **Specific Gravity** | Not Available |
| **pH** | Not Available | **% Volatiles** | Not Available |
| **Vapour Pressure** | Not Available | **Flammability** | Combustible |
| **Vapour Density** | Not Available | **Flash Point** | Not Relevant |
| **Boiling Point** | Not Available | **Upper Explosion Limit** | Not Relevant |
| **Melting Point** | Not Available | **Lower Explosion Limit** | Not Relevant |
| **Evaporation Rate** | Not Available | | |

## 10. STABILITY AND REACTIVITY

**MATERIAL TO AVOID:**
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

**HEALTH HAZARD SUMMARY:**
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 are reduced. Avoid generating dust. This product has been classified by the manufacturer as Hazardous according to NOHSC criteria, however, due to the product form and nature of use, adverse health effects are not anticipated with normal use and therefore this product has been allocated a GREEN colour rating.

**EYE:**
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.

**INHALATION:**
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 nasal and paranasal sinus cancers (IARC Group 1).

**SKIN:**
Low irritant. Prolonged or repeated exposure ot dust may result in irritation and dermatitis.

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

**TOXICITY DATA:**

Chromium Trioxide (1333-82-0)

| | | | |
|---|---|---|---|
| Health Surveillance: | | Required [NOHSC:1005 (1994)] | |
| LD50 | (Ingestion) | 80 mg/kg | Rat |
| LD50 | (Intraperitoneal) | 14 mg/kg | Mouse |
| LD50 | (Intravenous) | 9260 ug/kg | Rat |
| LDLo | (Skin) | 55 mg/kg | Rat |
| LDLo | (Subcutaneous) | 20 mg/kg | Mouse |
| TCLo | (Inhalation) | 110 ug/m3 | Human |
| TDLo | (Intravenous) | 5 mg/kg | Hamster |
| TDLo | (Subcutaneous) | 20 mg/kg | Mouse |

Arsenic Acid (7778-39-4)

| | | | |
|---|---|---|---|
| Health Surveillance: | | Required [NOHSC:1005 (1994)] | |
| LD50 | (Ingestion) | 48 mg/kg | Rat |
| LDLo | (Ingestion) | 5 mg/kg | Rabbit |

**EYE:**
Highly corrosive. Contact may result in irritation, lacrimation, pain, redness, conjunctivitis and corneal burns with possible permanent damage.

**INHALATION:**
Toxic - corrosive. Over exposure may result in mucous membrane irritation of the respiratory tract, coughing, ulceration and perforation of the nasal septum. May cause sensitisation by inhalation. Due to product form, an inhalation hazard is not anticipated with normal use.

**SKIN:**
Corrosive. Contact may result in irritation, redness, pain, rash, dermatitis, ulceration and burns. May cause sensitisation by skin contact. May be absorbed through skin with harmful effects.

**INGESTION:**
Highly toxic - corrosive. Ingestion may result in burns to the mouth and throat, nausea, vomiting, abdominal pain and ulceration. Chronic exposure may result in liver and kidney damage.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENT:**
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

**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 REGULATIONS

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

| | |
|---|---|
| Proper Shipping Name: | None Allocated |
| UN No. | None Allocated |
| DG Class: | None Allocated |
| Subsidiary Risk(s): | None Allocated |
| HAZCHEM: | None Allocated |
| Packing Group: | None Allocated |
| EPG: | None Allocated |

## 15. REGULATORY INFORMATION

**POISON SCHEDULE:**
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).

**AICS:**
All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

**ADDITIONAL INFORMATION:**

ARSENIC EXPOSURE: Acute arsenic ingestion generally products 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 diarrhea may occur. Dehydration, intense thirst, and 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/m3 - 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 us; 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.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendations 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.

Replaces Safety Data Sheet Issue 1 Dated 19 February 2009



END of SAFETY DATA SHEET