1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name: LIFEWOOD CCA TREATED TIMBER
Synonym(s): LIFEWOOD - CCA TREATED TIMBER

1.2 Uses and uses advised against

Use(s): BUILDING APPLICATIONS • TIMBER

1.3 Details of the supplier of the product

Supplier name: STS TIMBER WHOLESALE PTY LTD
Address: 17 Capital Drive, Dandenong South, Vic, 3175, AUSTRALIA
Telephone: 03 9791 9555
Fax: 03 9791 9566
Email: di@ststimber.com.au

1.4 Emergency telephone number(s)

Emergency: 03 9791 9555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

2.2 Label elements

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

2.3 Other hazards

No information provided.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARSENIC</td>
<td>7440-38-2</td>
<td>231-148-6</td>
<td>&lt;0.8%</td>
</tr>
<tr>
<td>CHROMIUM</td>
<td>7440-47-3</td>
<td>231-157-5</td>
<td>&lt;0.8%</td>
</tr>
<tr>
<td>COPPER</td>
<td>7440-50-8</td>
<td>231-159-6</td>
<td>&lt;0.5%</td>
</tr>
<tr>
<td>TIMBER (SOFTWOOD/HARDWOOD)</td>
<td>-</td>
<td>-</td>
<td>&gt;98%</td>
</tr>
<tr>
<td>PRESERVATIVE(S)</td>
<td>-</td>
<td>-</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of 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 Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.
PRODUCT NAME  LIFEWOOD CCA TREATED TIMBER

First aid facilities
Eye wash facilities should be available.

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

4.3 Immediate medical attention and special treatment needed
Treat symptomatically.

5. FIRE FIGHTING MEASURES

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

5.2 Special hazards arising from the substance or mixture
Combustible. May evolve toxic gases (carbon/ chromium/ arsenic/ copper oxides) when heated to decomposition. Dust may form explosive mixtures with air.

5.3 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 waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code
None allocated.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions
Prevent product from entering drains and waterways.

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

6.4 Reference to other sections
See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1 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.

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

7.3 Specific end use(s)
No information provided.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Reference</th>
<th>TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>ppm</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Arsenic &amp; soluble compounds (as As)</td>
<td>SWA (AUS)</td>
<td>--</td>
<td>0.05</td>
</tr>
<tr>
<td>Chromium Metal</td>
<td>SWA (AUS)</td>
<td>--</td>
<td>0.5</td>
</tr>
<tr>
<td>Copper (fume)</td>
<td>SWA (AUS)</td>
<td>--</td>
<td>0.2</td>
</tr>
<tr>
<td>Copper, dusts &amp; mists (as Cu)</td>
<td>SWA (AUS)</td>
<td>--</td>
<td>1</td>
</tr>
<tr>
<td>Wood dust (certain hardwoods such as beech &amp; oak)</td>
<td>SWA (AUS)</td>
<td>--</td>
<td>1</td>
</tr>
<tr>
<td>Wood dust (soft wood)</td>
<td>SWA (AUS)</td>
<td>--</td>
<td>5</td>
</tr>
</tbody>
</table>

Biological limits

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Determinant</th>
<th>Sampling Time</th>
<th>BEI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARSENIC</td>
<td>Inorganic arsenic plus methylated metabolites in urine</td>
<td>End of workweek</td>
<td>35 µg As/L</td>
</tr>
<tr>
<td>CHROMIUM</td>
<td>Total chromium in urine</td>
<td>End of shift at end of workweek</td>
<td>25 µg/L</td>
</tr>
<tr>
<td></td>
<td>Total chromium in urine</td>
<td>Increase during shift</td>
<td>10 µg/L</td>
</tr>
</tbody>
</table>

Reference: ACGIH Biological Exposure Indices

8.2 Exposure controls

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

- **Eye / Face**: 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

9.1 Information on basic physical and chemical properties

- **Appearance**: GREY/GREEN COLOURED SOLID
- **Odour**: SLIGHT ODOUR
- **Flammability**: COMBUSTIBLE
- **Flash point**: NOT AVAILABLE
- **Boiling point**: NOT AVAILABLE
- **Melting point**: NOT AVAILABLE
- **Evaporation rate**: NOT AVAILABLE
- **pH**: NOT AVAILABLE
- **Vapour density**: NOT AVAILABLE
- **Specific gravity**: NOT AVAILABLE
- **Solubility (water)**: INSOLUBLE
- **Vapour pressure**: NOT AVAILABLE
- **Upper explosion limit**: NOT AVAILABLE
- **Lower explosion limit**: NOT AVAILABLE
- **Partition coefficient**: NOT AVAILABLE
- **Autoignition temperature**: NOT AVAILABLE
- **Decomposition temperature**: NOT AVAILABLE
### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

#### 10.2 Chemical stability

Stable under recommended conditions of storage.

#### 10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

#### 10.4 Conditions to avoid

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

#### 10.5 Incompatible materials

Compatible with most commonly used materials.

#### 10.6 Hazardous decomposition products

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

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

**Acute toxicity**

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 ingredient(s):**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral Toxicity (LD50)</th>
<th>Dermal Toxicity (LD50)</th>
<th>Inhalation Toxicity (LC50)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARSENIC</td>
<td>15 mg/kg (rat)</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>COPPER</td>
<td>--</td>
<td>&gt; 2000 mg/kg (rat)</td>
<td>--</td>
</tr>
</tbody>
</table>

**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
12.1 Toxicity
No information provided.

12.2 Persistence and degradability
No information provided.

12.3 Bioaccumulative potential
No information provided.

12.4 Mobility in soil
No information provided.

12.5 Other adverse effects
No information provided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
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 CODE, IMDG OR IATA

<table>
<thead>
<tr>
<th></th>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG / IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN Number</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
<tr>
<td>14.2 Proper Shipping Name</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
<tr>
<td>14.3 Transport hazard class</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
<tr>
<td>14.4 Packing Group</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

14.5 Environmental hazards
No information provided.

14.6 Special precautions for user
Hazchem code: None allocated.

15. REGULATORY INFORMATION

15.1 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: Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

Hazard codes: None allocated.
Risk phrases: None allocated.
Safety phrases: None allocated.
Inventory listing(s): AUSTRALIA: AICS (Australian Inventory of Chemical Substances)
All components are listed on AICS, 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 diffuse 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

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>CAS #</td>
<td>Chemical Abstract Service number - used to uniquely identify chemical compounds</td>
</tr>
<tr>
<td>CNS</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>EC No.</td>
<td>EC No - European Community Number</td>
</tr>
<tr>
<td>EMS</td>
<td>Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System</td>
</tr>
<tr>
<td>GTEPG</td>
<td>Group Text Emergency Procedure Guide</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal Concentration, 50% / Median Lethal Concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose, 50% / Median Lethal Dose</td>
</tr>
<tr>
<td>mg/m³</td>
<td>Milligrams per Cubic Metre</td>
</tr>
<tr>
<td>OEL</td>
<td>Occupational Exposure Limit</td>
</tr>
<tr>
<td>pH</td>
<td>relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).</td>
</tr>
<tr>
<td>ppm</td>
<td>Parts Per Million</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-Term Exposure Limit</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>Specific target organ toxicity (repeated exposure)</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>Specific target organ toxicity (single exposure)</td>
</tr>
<tr>
<td>SUSMP</td>
<td>Standard for the Uniform Scheduling of Medicines and Poisons</td>
</tr>
<tr>
<td>SWA</td>
<td>Safe Work Australia</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
</tbody>
</table>
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 ]