LOXO AUTOCLAVED LIGHTWEIGHT AERATED CONCRETE PANEL (AAC)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Loxo Autoclaved Lightweight Aerated Concrete Panel (AAC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>-</td>
</tr>
<tr>
<td>Other Names</td>
<td>Loxo Panel</td>
</tr>
<tr>
<td>Product Use</td>
<td>The Loxo Cladding System is designed to be used in new</td>
</tr>
<tr>
<td></td>
<td>dwelling construction, extensions or re-cladding for</td>
</tr>
<tr>
<td></td>
<td>houses &amp; low rise multi-residential external walls using</td>
</tr>
<tr>
<td></td>
<td>timber or steel frame.</td>
</tr>
<tr>
<td></td>
<td>The system consists of Loxo Aerated Autoclave Concrete</td>
</tr>
<tr>
<td></td>
<td>Panels (AAC), reinforced with corrosion protected steel</td>
</tr>
<tr>
<td></td>
<td>in both directions, installed horizontally in a “stretcher-</td>
</tr>
<tr>
<td></td>
<td>bond” pattern to vertical battens attached to the load</td>
</tr>
<tr>
<td></td>
<td>bearing frame.</td>
</tr>
<tr>
<td></td>
<td>For fast, clean construction, Loxo AAC Panels are available in standard length of 2200mm long and in width of 600mm.</td>
</tr>
</tbody>
</table>

| Supplier Name                 | Loxo Cladding Systems Pty Ltd                          |
| Address                       | 1331 Stud Road                                         |
| Rowville VIC 3178             |                                                        |
| Telephone Number              | 03 9795 0005                                           |
| Emergency Telephone           | 03 9795 0005                                           |

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.
Classified as hazardous according to the criteria of Safe Work Australia.

<table>
<thead>
<tr>
<th>Hazards</th>
<th>Xn – Harmful</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk Phrases</td>
<td>R37 - Irritating to respiratory system.</td>
</tr>
<tr>
<td></td>
<td>R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.</td>
</tr>
<tr>
<td>Safety Phrases</td>
<td>S22 - Do not breathe dust.</td>
</tr>
<tr>
<td></td>
<td>S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.</td>
</tr>
</tbody>
</table>

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient (common name)</th>
<th>CAS Number</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium silicate hydrate (tobermorite)</td>
<td>1344-95-2</td>
<td>70%</td>
</tr>
<tr>
<td>Crystalline silica (quartz)</td>
<td>14808-60-7</td>
<td>23%</td>
</tr>
<tr>
<td>Calcium sulfate (gypsum)</td>
<td>7778-18-9</td>
<td>5%</td>
</tr>
<tr>
<td>Organic additives deemed not to be hazardous</td>
<td>Proprietary</td>
<td>&lt;2%</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

**Inhalation**  
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

**Ingestion**  
Never give anything by mouth to an unconscious person. Rinse the mouth and give victim plenty of water to drink. DO NOT induce vomiting. Seek medical attention if symptoms persist.

**Skin**  
Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if symptoms persist. Launder clothing before reuse.

**Eyes**  
In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media**  
Carbon dioxide, foam, water or dry chemical.

**Hazardous Combustion Products**  
No information available.

**Firefighting Equipment**  
Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

**Unusual Fire or Explosion Hazards**  
This product is non-flammable. Does not support combustion of other materials.

**Hazchem Code**  
Not allocated.

6. ACCIDENTAL RELEASE MEASURES

**Spills**  
Wear appropriate personal protective equipment. Ventilate area of leak or spill. Avoid generating dusty conditions. A fine water spray should be used to suppress dust when sweeping. Vacuum or sweep up material and place into suitable containers for disposal or salvage.

7. HANDLING AND STORAGE

**Handling**  
Use of safe work practices are recommended to avoid eye or skin contact, inhalation or ingestion. Observe good personal hygiene. Use in a well-ventilated area. Avoid creating dust. Maintain appropriate dust controls during handling. Loxo Panels are 50mm or 75mm thick, manufactured from Autoclaved Aerated Concrete (AAC) with an approximate density of 560kg/m³, they are flat packed and strap bound on timber pallets, supplied in lengths of 2200mm long by 600mm wide.
Single man manual lifting of this product is not recommended as the dry mass of a Loxo panel is 28kg - 32kg/m² and without due care and attention may result in personal injury. Any manual lifting should be undertaken as a team lift. It is recommended that prior to manual lifting a manual risk assessment should be undertaken.

Storage

Keep away from incompatible materials. Do not store near food or beverages.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)

Total dust (of any type, or particle size):
TWA: - ppm / 10 mg/m³
STEL: - ppm / - mg/m³

Respirable dust (of any type, or particle size):
TWA: - ppm / 10 mg/m³
STEL: - ppm / - mg/m³

Crystalline silica (quartz) as respirable dust:
TWA: - ppm / 0.1 mg/m³
STEL: - ppm / - mg/m³

Engineering Controls

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation is recommended when processing at elevated temperatures.

Respiratory Protection

Use a Safe Work Australia approved full face class P1 or P2 particulate respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information.

Eye Protection

Safety spectacles with side shields or safety goggles (dust resistant AS/NZ 1336).

Skin Protection

Use impervious elbow length gloves (AS 2161), such as PVC, impervious boots and full-length clothing to protect the skin from contact with the dust, particularly wetted dust or wet adhesive.

Hygienic Practices

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
White flat panels

Odour
Odourless

Solubility in water
Insoluble

pH
9-10

Boiling Point
Not applicable

Melting Point
No information available

Vapour Density
Not applicable

Vapour Pressure (kPa)
Not applicable

Specific Gravity
No information available
10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammable Limit – Lower</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammable Limit – Upper</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity</td>
<td>Calcium silicate hydrate (tobermorite):</td>
</tr>
<tr>
<td></td>
<td>Skin, eye and respiratory irritant.</td>
</tr>
<tr>
<td></td>
<td>Calcium sulfate (gypsum):</td>
</tr>
<tr>
<td></td>
<td>May act as an irritant.</td>
</tr>
<tr>
<td>Routes of Exposure</td>
<td>Inhalation, ingestion, eye and skin</td>
</tr>
<tr>
<td>Acute Health Effects</td>
<td>Inhalation: Dust may cause irritation of the nose, throat, and airways, resulting in coughing and sneezing. Certain susceptible individuals may experience wheezing (spasms of the bronchial airways) on inhaling dust during sanding or sawing operations.</td>
</tr>
<tr>
<td></td>
<td>Ingestion: Unlikely under normal conditions of use, but swallowing the dust from this product may result in irritation or damage to the mouth and gastrointestinal tract due to alkalinity of dust. May cause burning sensation and abdominal discomfort.</td>
</tr>
<tr>
<td></td>
<td>Eye: Dust may irritate the eyes due to mechanical abrasion causing watering and redness.</td>
</tr>
<tr>
<td></td>
<td>Skin: No health effects anticipated.</td>
</tr>
<tr>
<td>Chronic Health Effects</td>
<td>Inhalation of dust containing crystalline silica through prolonged, repeated exposure can cause bronchitis and silicosis (scarring of the lung.) It may also increase the risk of scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs) and lung cancer.</td>
</tr>
<tr>
<td>Existing Conditions Aggravated by Exposure Carcinogenicity</td>
<td>Studies have shown that smoking increases the risk of bronchitis, silicosis (scarring of the lung) and lung cancer. Silica dust, crystalline, in the form of quartz or cristobalit is classified as a Group 1 – Carcinogenic to humans by the IARC.</td>
</tr>
</tbody>
</table>
12. ECOLOGICAL INFORMATION

Ecotoxicity
No information available.

Mobility
No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers
Dispose according to applicable local and state government regulations.

Special precautions for landfill or incineration
Please consult your state Land Waste Management Authority for more information.

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

UN Number
Not applicable

Proper Shipping Name
Not applicable

Dangerous Goods Class
Not applicable

Hazchem Code
Not applicable

Packing Group
Not applicable

Special Precautions
Not applicable

15. REGULATORY INFORMATION

Calcium silicate hydrate (tobermorite), crystalline silica (quartz) and calcium sulfate (gypsum) are listed in the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Last Revision of MSDS
Rev 1.0 (07/11/2011)

Prepared by
MSDS.COM.AU Pty Ltd

Abbreviations Used
IARC: International Agency for Research on Cancer
NTP: National Toxicology Program (U.S.)
OSHA: Occupational Safety and Health Administration (U.S.)
STEL: Short term exposure limit
TWA: Time weighted average

Emergency Contacts
Loxo Cladding Systems Pty Ltd
Loxo Cladding Systems Pty Ltd – Emergency Number
Police and Fire Brigade
Poisons Information Centre

03 9795 0005
03 9795 0005
000
13 11 26
The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Loxo Cladding Systems Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.

Please read instructions / label before using product.

This MSDS is prepared in accord with the ASCC document “National Code of Practice for the Preparation of Material Safety Data Sheets” 2nd Edition [NOHSC:2011(2003)]