



MATERIAL SAFETY DATA SHEET

1.0 COMPANY AND PRODUCT INFORMATION

MANUFACTURER

1. Hume Cemboard Industries Sdn. Bhd.
Lot 127220, Kawasan Perusahaan Kanthan,
P.O. Box 10, 31200 Chemor.
Perak, Malaysia.

Telephone No.: +605 201 3628
Fax No. : +605 201 4199
Website : www.primaboard.com

2. Hume Cemboard Industries Sdn. Bhd.
No.12, Jalan Tandang, 46050 Petaling Jaya,
Selangor, Malaysia

Telephone No.: +603 7625 3880 or +603 7781 1977
Fax No. : +603 7625 3990 or +603 7625 7822
Website : www.primaboard.com

STATEMENT OF HAZARDOUS NATURE

This product contains crystalline silica, which is classified as hazardous substance according to the criteria of Australian Safety and Compensation Council (ASCC).

IDENTIFICATION

Product Names/Trade Names:

PRIMAflex, PRIMAAqua, PRIMAliner, PRIMAlux, PRIMAbase, PRIMAp plank, PRIMAc ceramic tile underlay, PRIMAsenepa, PRIMAraya, HUME lattice, PRIMAlattice, PRIMAvent , PRIMAfrangipani

Common Names:

Cellulose-cement flat product; Fibre-cement flat sheet; Fibre-reinforced cement board; cellulose-fibre reinforced cement board

| | |
|--------------------------------|----------------|
| UN No | None allocated |
| Dangerous Goods Class | None allocated |
| Hazchem Code | None allocated |
| Poisons Schedule Number | None allocated |



USE:

These products are generally applied as:

- ✓ External cladding for wall and gable end
- ✓ Fencing and screening board
- ✓ Internal lining for wall/partition, ceiling and eaves
- ✓ Tile underlay

2.0 PHYSICAL PROPERTIES/DESCRIPTIONS

PROPERTIES

| | |
|-------------------------------|---|
| Appearance & Odour | Solid grey or pink boards or coated with various colours and various dimensions according to product specifications |
| Vapour Pressure | Not relevant |
| Specific Gravity | Not relevant |
| Flammability Limit | Not relevant (non flammable) |
| Boiling Point | Not relevant |
| Melting Point | Not relevant |
| Flash Point | Not relevant |
| Volatility | Not relevant |
| Solubility in Water | Not relevant |

INGREDIENTS

| <u>Substance Name</u> | <u>CAS Number</u> | <u>Proportion</u> |
|--|-------------------|-------------------|
| Hydrated Calcium Silicate | 65997-15-1 | 40-60% |
| Crystalline Silica (Quartz) | 14808-60-7 | 30-40% |
| Cellulose | 9004-34-6 | <15% |
| Other non-hazardous material (pigment, fillers, coatings) | | <5% |



3.0 HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Note: The building material boards in their intact state do not present any hazard. The warnings below apply to dust generated from the boards due to cutting, sanding, drilling, routing or sawing

ACUTE EFFECTS

| | |
|------------------|---|
| Swallowed | Unlikely under normal conditions of use, but swallowing dust from the product may result in abdominal discomfort |
| Eye | Eye irritation may occur from exposure to excessive dust |
| Skin | Dust from this product, particularly in association with heat and sweat may cause irritation, but it is not absorbed through the skin |
| Inhaled | Upper respiratory trace irritation may occur if excessive dust is inhaled |

CHRONIC EFFECTS

| | |
|----------------|---|
| Inhaled | <p>Repeated exposure to the dust may result in increased nasal and respiratory secretions and coughing. Due to the presence of Crystalline Silica, repeated and prolonged exposure to high dust levels may result in silicosis (scarring of the lung) and increased risk of lung cancer. The International Agency for Research on Cancer (IARC) has evaluated Silica as: “Group 1 – Carcinogenic to humans”.</p> <p>Studies have shown that cigarette smoking increases the risk of silicosis, bronchitis and lung cancer in persons exposed to Crystalline Silica. Based on limited animal research, it is possible that repeated inhalation of Cellulose Fibre dust over time may lead to inflammation and scarring of lung in humans. Precautions taken for crystalline Silica dust will be sufficient to prevent health effects from cellulose dust</p> |
|----------------|---|



4.0 FIRST AID MEASURES

| | |
|---------------------|---|
| Swallowed | Not expected under normal condition of use. If swallowed, rinse mouth and dilute by drink plenty of water. Do not induce vomiting. Seek medical attention |
| Eye Contact | Rinse with running water. Do not scratch or rub your eyes. Seek medical attention if any changes to vision or redness persists. (Note for contact lens user: contact lens must be removed before apply first aid measure) |
| Skin Contact | Wash thoroughly with soap and water. Seek medical advice if any irritation persists |
| Inhaled | Remove individual to fresh air. Seek medical attention if shortness of breath or wheezing develops |

ADVICE TO DOCTOR: Treat symptomatically

5.0 PRECAUTIONS FOR USE

EXPOSURE STANDARDS

| Ingredients | Occupational Exposure Standards |
|--------------------|--|
| Calcium Silicate | Not more than 10mg/m ³ time weighted average (TWA) as inspirable dust |
| Cellulose | Not more than 10mg/m ³ TWA as measured as inspirable dust |
| Crystalline silica | Not more than 0.1mg/m ³ TWA as measure as inspirable dust |

Where local authority prescribes a lower limit, the lower limit applies

ENGINEERING CONTROLS

No significant dust should be generated during normal fixing and installation. However, if products are to be cut, sanded, drilled and sawn, the following precautions should be observed:

- ✓ Carry out the work in open or well ventilated areas or in process encloses with exhaust ventilation
- ✓ Avoid generating dust. Thoroughly wetting the product with water before and during cutting, drilling and sanding with non-electrical equipment
- ✓ Use score and snap method for boards up to 6.0mm thick.
- ✓ If require to use power tools, the tools must be fitted with efficient and well maintained dust extraction devices



PERSONAL PROTECTIONS

- Eyes** If the use of power tools is necessary, dust resistance safety goggles should be worn (Please refer to AS/NZS1336-1997 “Recommended Practices for Eye Protection in the Industrial Environment”)
- Skin** Direct skin contact should be avoided by wearing long sleeved shirts and long trousers, a cap or hat and gloves(standard duty leather or equivalent AS2161)
- Inhalation** When working in dusty environment, respirators must be used and maintained in accordance with AS/NZS 1715 and 1716 for particulate respirators. Replaceable filter and cartridge should be replaced regularly according to manufacturer’s guidelines and AS/NZS 1715 and 1716.
- Selection of respirators must be based on level of exposure to crystalline silica measured by dust sampling , or if dust level is unknown, use respirators that offer protection to the highest concentration of crystalline silica. Comply with all other applicable federal or state laws.

6.0 SAFE HANDLING INFORMATION

STORAGE

This product should be stored under cover. There are no special requirements for handling and storage

SPILLS AND DISPOSAL

Dust and waste should be cleaned-up by bagging, wet sweeping and/or vacuuming. Waste may be disposed off by landfill; however, disposal should comply with local requirements

FIRE / EXPLOSION HAZARD

The product is non-flammable

CONTACT (GENERAL/EMERGENCY)

Contact Hume Cemboard Industries Sdn. Bhd. for latest updates / further information

Kanthan Site: Telephone No. : +605 201 3628; Fax No.: +605 201 4199

Petaling Jaya Site: Telephone No. : +603 7625 3880 or +603 7781 1977
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MSDS Revision Summary:

| MSDS No. | Date of Issue | Comments |
|-----------------|-----------------------------|---|
| Revision 3 | 1 st Jan 2005 | No history of changes from Rev.1 and Rev.2 |
| Revision 4 | 1 st Nov 2006 | 1. Update product name 2. Narrower ingredient proportion 3. Add details on first aid 4. More descriptive on inhalation personal protection |
| Revision 5 | 22 nd Sep 2007 | 1. Correct website address 2. Change “Worksafe Australia” to “Australian Safety and Compensation Council” 3. Update product name 4. Change CAS no. for Hydrated Calcium Silicate 5. Remove CAS no. from “Other non-hazardous material” 6. Exposure Limit for crystalline silica changed from 0.2mg/m ³ to 0.1mg/m ³ 7. Change MSDS control system by having document number and MSDS Revision summary |
| Revision 6 | 18 th Nov 2013 | 1. Update phone and fax numbers 2. Update product name |
| Revision 7 | 14 th March 2014 | 1. Section 1.0 - Add Kanthan site address and contact number 2. Section 6.0 – Add Kanthan site contact number |