

# Material Safety Data Sheet

Date prepared: *July 12, 2005*

Date revised: *2<sup>nd</sup> edition*

**Turtleback Fibre Cement Building Products**

**MSDS No.: UAC003**

## 1. Identification of the Product and the Company

### Product names:

Flat Sheets:- *Turtleback ; Turtleback-Ceil ; Turtleback Decoceil; Turtlebord/Flexabor/ Multiflex; Turtle Duravent; Turtle Lattice; Turtleback Supertex Smooth/Woodgrain Plank, /Turtleback Supertex Woodgrain Panel; Turtleback Shingles.*

Corrugates/Profile Sheets:- *Turtle Ardex Plus/ Turtle Kalardex Plus*

Accessories:- *V-Ridge, Bargeboard*

### Other names:

Fibre Cement, Fibre reinforced cement.

### Uses/Applications:

The above products are used as internal/external wall cladding, ceiling, roofing, flooring and fencing.

### Company name & address:

UAC Berhad  
36 Jalan Portland,  
Tasek Industrial Estate,  
31400 Ipoh, Perak  
Malaysia

### Telephone:

(605) 291 2033

## 2. Composition

<u>Ingredient</u>	<u>CAS Number</u>	<u>Composition</u>	<u>R-Phrase</u>
Ordinary Portland Cement	65997-15-1	20-40%	R36 R37 R38
Crystalline Silica (Quartz)	14808-60-7	20-50%	-
Cellulose	9004-34-6	<10%	-
Other non-hazardous ingredients such as pigment, fillers and surface coatings.	-	<10%	-

*Note: All the fibre cement products consist of cellulose fibre from wood pulp only and do not contain asbestos.*

## 3. Hazards Identification

The fibre cement products in their intact state do not present a hazard and is not WHMIS regulated. However, one should be aware of the ill-effect and danger from prolonged exposure to the air-borne dust generated through cutting, drilling, routing, sawing and crushing of the fibre cement products.

### Acute Effects

**Skin contact:** The dust from this product may cause irritation of the skin from friction but is not absorbed through the skin.

**Eye contact:** The dust from this product may irritate the eyes causing watering and redness.

**Ingestion:** Unlikely under normal conditions of use, but ingestion of the dust from this product may result in abdominal discomfort.

**Inhaled:** The dust from this product may cause irritation of nose, throat and lungs causing coughing and sneezing.

### Chronic Effects

**Inhaled:** Prolonged and continuous exposure (over a number of years) to significant, airborne, respirable dust levels containing crystalline silica may cause bronchitis, silicosis and lung cancer.

Based on limited animal research, it is possible that repeated inhalation of cellulose fibre dust over time may lead to inflammation and scarring of the lung in humans.

## 4. First aid measures

**Skin contact:** Wash thoroughly with mild soap and water.

**Eye contact:** Flush with running water.

**Ingestion:** Not expected under normal condition of use. Drink plenty of water.

**Inhaled:** Remove to fresh air.

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*Note: Seek medical attention if symptom persisted.*

### 5. Fire fighting measures

*Note: The fibre cement products will not burn or help in burning, thus no specific fire fighting measures is required. In case of fire, extinguish with carbon dioxide, water, foam or dry chemical as for surrounding materials.*

### 6. Accidental release measures

*Note: Not applicable.*

### 7. Handling and storage

*Note: There are no specific requirements for handling and storage.*

### 8. Exposure Controls

**Exposure Standards - Occupational safety and Health Act 1994 – Occupational Safety and Health (Use and Standards of Exposure of Chemical Hazardous to Health) Regulations 2000, Malaysia.**

Crystalline Silica (Quartz)	0.1mg/m <sup>3</sup> time-weighted average (TWA) as respirable dust
Calcium Silicate (Synthetic)	10mg/m <sup>3</sup> time-weighted average (TWA) as inspirable dust
Cellulose (Wood fibre)	10mg/m <sup>3</sup> time-weighted average (TWA) as inspirable dust

*Note: Where a state or local authority prescribes a lower standard, the lower standard applies.*

**General Controls:** Avoid generating dust or keep exposure to dust as low as practicable. Work areas should be cleaned regularly by wet sweeping or vacuuming.

**Engineering Controls:** Practices likely to generate dust should be carried out in adequately ventilated areas or in process enclosures with exhaust ventilation.

**Personal Protection:**

*Eye protection: Safety goggles/glasses should be worn.*

*Skin protection: Direct contact with dust and debris should be avoided by wearing long sleeved shirts or gloves.*

*Inhalation protection: During dry cutting, drilling, routing, and sanding with power or abrasive tool, or if dust is generated, used an approved particulate dust mask.*

### 9. Physical and chemical properties

**Appearance:** Greyish or pinkish solid boards or planks, or coated with various colours.  
Flat or corrugated profile with standard sizes.

**Odour:** - **pH:** -

**Boiling point:** - **Melting point:** -

**Flashpoint:** - **Explosive properties:** -

**Vapour pressure:** - **Specific gravity:** -

**Solubility in Water:** Not soluble in water.

### 10. Stability and reactivity

*Note: Fibre cement products are generally dimensionally stable and non-reactive, resistant to rot and water damage in their normal scope of applications.*

### 11. Toxicological information

*Note: Not applicable.*

### 12. Ecological information

*Note: Not applicable.*

### 13. Disposal Considerations

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*Note: Waste may be disposed by landfill; however disposal should comply with the local authority requirements.*

### **14. Transport information**

*Note: There are no specific requirements for transportation handling.*

### **15. Regulatory information**

*Note: Not applicable.*

### **16. Other Information**

The fibre cement products contain crystalline silica which is classified as hazardous substance according to the criteria of Malaysia Occupational safety and Health Act 1994 – Occupational Safety and Health (Use and Standards of Exposure of Chemical Hazardous to Health) Regulations 2000. Breathing in fine silica dust when working with products is hazardous and may cause bronchitis, silicosis or cancer.

#### **MINIMISE DUST GENERATION AND DO NOT BREATHE DUST!**

Operators must wear an approved particulate dust mask when power tools used.

#### **Disclaimer:**

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**The information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.**

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