

## Section 1: Identification of Material and Supplier

<b>Product Name:</b>	Fire Combat Australia Pty Ltd. High Density INTERIOR EXTERIOR BUILDING CLADDING MATERIAL
<b>Other Names:</b>	Not applicable
<b>Manufacturer's Product Code:</b>	SE AND TE
<b>Recommended Use:</b>	CEILINGS, WALLS, SOFFITS, EAVES ROOF LINERS ETC.
<b>Supplier name:</b>	Firecrunch ABN: 17 150 520 068
<b>Address:</b>	Suite 19, Level 44, MLC Centre 19 Martin Place, Sydney NSW 2000  PO Box 307, Pyrmont, NSW 2009 Australia
<b>Telephone:</b>	1300 933 102
<b>Facsimile:</b>	1300 795 379

## Section 2: Hazards Identification

**Overall Statement of Hazardous Nature:**

In its intact state, this product is classified as not hazardous according to the criteria of Worksafe Australia. Dust from the product is not classified as hazardous according to the criteria of Worksafe Australia.

**Health Hazard Information:**

In its intact state this product is not classified as a hazardous substance by Worksafe Australia. Dust may be produced from machining the product, and gas and vapour may be produced from heat process.

Exposures to dust produced from machining the products and gas and vapours from heat processing with inadequate ventilation may result in the following health effects:

- Abdominal discomfort if dust is swallowed
- Eye irritation causing discomfort and redness.
- Slight Nose irritation.

Conjunctivitis, nasal catarrh, and coughing up discoloured sputum has been cited after industrial exposures, but even when such exposures doubled serum magnesium as compared to normal concentrations, no systematic effects were noted.

<b>Explosion Hazard:</b>	Not applicable.
<b>Dangerous goods class &amp; Subsidiary Risks:</b>	None Allocated.
<b>Poisons schedule Number:</b>	None Scheduled.

## Section 3: Composition / Information on Ingredients

**Substances**

Chemical name	CAS Number	Proportion MBE
Magnesium oxide	1309-48-4	55%
Magnesium sulfate	-	25%
Filtered wood shavings	-	2%
Fibreglass/Composites	-	18%

**Notes**

The product contains no asbestos or formaldehyde. See firecrunch website for Australian Certification.



#### Section 4: First Aid Measures

<b>Swallowed:</b>	Give water to drink. If abdominal discomfort occurs seek medical attention. Do not induce vomiting.
<b>Eyes:</b>	Flush with flowing water for at least 15 minutes. If symptoms persist seek medical attention.
<b>Skin:</b>	Wash with mild soap and running water. Remove clothes contaminated with dust. Do not scratch or rub skin if it becomes irritated.
<b>Inhalation:</b>	Leave dusty area.
<b>First Aid Facilities:</b>	---
<b>Advice to Doctor:</b>	Treat symptomatically

#### Section 5: Fire Fighting Measures

<b>Extinguishing media:</b>	Not applicable.
<b>Hazards from combustion products:</b>	Not applicable.
<b>Hazchem code:</b>	None Allocated

#### Section 6: Accidental Release Measure

<b>Emergency procedures:</b>	Not Applicable
<b>Methods and materials for containment and clean up:</b>	Not applicable

#### Section 7: Handling and Storage

<b>Handling information:</b>	See Personal Protection.
<b>Storage information:</b>	The boards should be stored flat in areas away from sources of water and high moisture.

#### Section 8: Exposure controls / Personal Protection

<b>National Exposure Standards:</b>	<b>[NOHSC:1008(2004)] Australia / OSH New Zealand (3rd edition)</b>
Magnesium oxide (fume)	10mg/m <sup>3</sup> TWA

**Biological limit values:** Not applicable

**Engineering controls:**

All work with these boards should be carried out in such a way as to minimise the generation of, and exposure to dust. Under factory conditions, sawing, drilling, sanding etc. should be done with equipment fitted with exhaust devices capable of removing dust, at source. Hand power tools should be fitted with dust bags and used in well ventilated areas. Work areas should be well ventilated. They should be cleaned at least daily, and dust removed by vacuum cleaning or wet sweeping method.

**Ventilation:**

Local exhaust ventilation should be provided at areas of cutting to remove airborne dust. General dilution ventilation should be provided as necessary to keep airborne dust below the applicable exposure limits and guidelines. The need for ventilation systems should be evaluated by a professional industrial hygienist, while the design of specific ventilation systems should be conducted by a professional engineer.

**Personal Protective Equipment**
**Skin protection:**

Wear loose, comfortable clothing. Long sleeved shirts and trousers are recommended to prevent skin irritation. Wash work clothes regularly and separately from other clothes. Wear comfortable work gloves (AS2161 or NZS5812) to avoid hand cuts when handling panels.

**Eye protection:**

Wear industrial safety glasses or non fogging goggles (AS/NZS 1336) when machining products. Respiratory protection: Avoid breathing dust. Wear a class P1 or P2 replaceable filter or disposable half face-piece respirator when machining products. Respirators should comply with AS/NZS 1716 and be selected, used and maintained in accordance with AS/NZS 1715.

**Section 9: Physical and Chemical Properties**
**Appearance:**

The products are manufactured as mesh and fibre boards of thickness 20mm. They are made from magnesium oxide, magnesium chloride, filter woodchip, composite binders and fibreglass fabric between layers of non woven fabric. The long edges have either a tongue or groove factory machined into alternate long edges.

**Odour:**

Not applicable

**pH:**

Not determined

**Vapour pressure:**

Not determined

**Vapour density:**

Not determined

**Boiling point:**

Not applicable

**Melting point:**

Not applicable

**Solubility in water:**

Not applicable

**Specific gravity:**

Not determined

**Flammability:**

These products will not ignite.

**Flash point:**

Not applicable

**Flammable limits in air:**

Not applicable

**Ignition temperature:**

> 2000 °

**Early fire hazard properties when tested to AS/NZS 3837 Group 1:**
**Ignitability index:**

0

**Spread of flame index:**

0

**Heat evolved index:**

0

**Smoke developed index:**

0

**Potential for dust explosion:**

No

**Additional information**
**Specific heat value:**

Not Applicable

**Particle size:**

Not Applicable

**Volatile Organic Compounds content:** Not Applicable

**Evaporation rate:** Not Applicable

**Viscosity:** Not Applicable

**Percent volatile:** Not Applicable

<b>Octanol / water partition coefficient:</b>	Not Applicable
<b>Release of invisible flammable vapours and gases:</b>	Not Applicable
<b>Decomposition temperature:</b>	Not Applicable

### Section 10: Stability and Reactivity

<b>Chemical stability:</b>	The product is chemically stable under normal conditions.
<b>Conditions to avoid:</b>	Not applicable.
<b>Incompatible material:</b>	Avoid contact with strong acids.
<b>Hazardous decomposition products:</b>	Not applicable
<b>Hazardous reactions:</b>	Not applicable.

### Section 11: Toxicological Information

#### Health effects from the likely routes of exposure

The dust, which may be generated during manual or mechanical cutting, drilling, sanding or other abrading processes, and the smoke generated by heating or laser cutting, may cause temporary irritation of the eyes and upper respiratory system. The symptoms are expected to subside after exposure has stopped and are not expected to cause any long term effects. Allergic skin and lung reactions have been reported with exposure to various wood panels dusts due to the chemicals presented in wood and cured resin. These rashes resemble other allergic skin reactions caused by plants, and usually heal rapidly.

Examination of workers exposed to an unspecified concentration of MgO dust revealed slight irritation of the eyes and nose. Conjunctivitis, nasal catarrh, and coughing up discoloured sputum was cited after industrial exposures, but even when such exposures doubled serum magnesium as compared to normal concentrations, no systematic effects were noted.

#### Reference:

1. American Conference of Governmental Industrial Hygienists. Documentation of Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 2001. Cincinnati, OH. 2001., p. 1

### Section 12: Ecological Information

<b>Ecotoxicity:</b>	These products should be used only for its designated purposes.
<b>Persistence and degradability:</b>	Not determined
<b>Mobility:</b>	Not determined
<b>Environmental fate:</b>	Not determined
<b>Bio accumulative potential:</b>	Not determined

### Section 13: Disposal considerations

<b>Disposal method and containers:</b>	These products are not regulated as a hazardous waste by Australian environmental authorities. Off-cuts and general waste material should be placed in containers and disposed of at approved landfill sites in accordance with disposal authority guidelines.
<b>Special precautions for landfill or incineration:</b>	Not applicable

## Section 14: Transport Information

<b>UN Number:</b>	None Allocated
<b>UN Proper shipping name:</b>	None Allocated
<b>Class and subsidiary risk:</b>	None Allocated
<b>Packing group:</b>	None Allocated
<b>Special precautions for user:</b>	None Allocated
<b>Hazchem Code:</b>	None Allocated

These products are not regulated as dangerous goods. No special transport requirements are necessary.

## Section 15: Regulatory Information

FireCrunch has assessed this product in accordance with the criteria of the National Occupational Health and Safety Commission: NOHSC:2011(2003), and the assessment is that occupational exposure to dust or fume from this product is not hazardous according to the criteria of the NOHSC.

No special State or Commonwealth regulations apply. The product is not listed in the Standard for the Uniform Scheduling of Drugs and Poisons.

## Section 16: Other Information

Whilst the information contained in this document is based on data which, to the best of our knowledge, was accurate and reliable at the time of preparation, no responsibility can be accepted by us for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, no responsibility can be accepted by us for any loss or damage caused by any person acting or refraining from action as a result of this information.

**Date of preparation or last revision of the MSDS:**

22/08/2016

**Sources of data:**

American Conference of Governmental Industrial Hygienists. Documentation of Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 2001. Cincinnati, OH. 2001., p. 1

Kuschner WG, et al; Environ Health Perspect 105 (11): 1234-1237 (1997)