SAFETY DATA SHEET (SDS)

Section 1 : **Identification of Material and Supplier**

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

AUSTRALIAN COMPLIANCE FIRE TESTING

See (SDS) Safety Data Sheet (Aust Govt requirement)
FireCrunch products have been **FIRE TESTED** by the (CSIRO\Commonwealth Industrial Research Organisation
See (SDS) Safety Data Sheet (Aust Govt requirement)
FireCrunch products have been fire tested by the (CSIRO\Commonwealth Industrial Research Organisation
Infrastructure Technologies North Ryde Sydney. (ISO/ IEC 17025) See web site link: firecrunch.com.au/certification/

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 classified as NOT hazardous according to the criteria of 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.

Explosion Hazard:	Not applicable.
Dangerous goods class & Subsidiary Risks:	None Allocated.
Poisons schedule Number:	None Scheduled.

Section 3: **Composition / Information on Ingredients**

Note: This Product contains No Asbestos, NO Magnesium Chloride , NO VOC or Formaldehyde
See website for Australian Certifications. firecrunch.com.au

Chemical name	CASE N0.	Proportion
Magnesium oxide	1309-48-4	**60%**
Magnesium sulphate	-	**30%**
Filtered wood shavings	-	**2%**
Fibreglass/Composites	-	**8%**

NOTE: FCA ref, is FireCrunch Australia

SAFETY DATA SHEET (SDS)

Section 4: First Aid Measures

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

Section 5: Fire Fighting Measures

Extinguishing media: Not applicable.
Hazards from combustion products: Not applicable.
Hazchem code: None Allocated

Section 6: Accidental Release Measure

Emergency procedures: Not Applicable
Methods and materials for
containment and clean up: Not applicable

Section 7: Handling and Storage

Handling information: See Personal Protection.
Storage information: The Boards should be stored flat in areas away from water and high moisture.

Section 8: Exposure controls / Personal Protection

National Exposure Standards:	**[NOHSC:1008(2004)] Australia / OSH New Zealand (3rd edition)**
Magnesium oxide (fume)	10mg/m3 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 exhust devices capable of removing dust at source. Hand power tools should be fitted with dust bags and use 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

SAFETY DATA SHEET (SDS)

design of specific ventilation systems should be conducted by a professional engineer.

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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 piece respirator when machining products. Respirators should comply with AS/1716 and be selected, used and maintained in accordance with AS/171.

Section 9: Physical and Chemical Properties

Appearance: Firecrunch products are colour cream and manufactured as mesh and fibre boards thicknesses of 10mm and 19mm TG . They are made from magnesium oxide, magnesium Sulphate (MgSO4) filted woodchip, composite binders and fibreglass fabric between layers of non woven fabric. The long edges in 19mm have a tongue and groove factory machined edge 10mm in square edge and recessed edge . (refer to plaster set instruction see technical specifications website). (NATA Certified NO Metal corrosive magesium chloride)

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:	FIRECRUNCH PRODUCTS ARE NON COMBUSTIBLE (FIRE TESTED BY CSIRO)
Flash point:	Not applicable
Flammable limits in air:	Not applicable
Ignition temperature:	> 2000 º

Early Fire hazard properties 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 AS/1530.4

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

SAFETY DATA SHEET (SDS)

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

Section 10: **Stability and Reactivity**

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

DANGEROUS AND TOXIC CHEMICALS (VOC) ETC

FIRECRUNCH AUSTRALIA PRODUCTS CONTAIN NO (VOC) "Volatile Organic Compounds"

Acetone, Benzene, Ethylene Glycol, Formaldehyde, Methylene chloride, Perchloroethylene, Toluene or Xylene

FCA (MgSO4) Fire and general cladding boards are totally non ininflammable and contain NO inflammable materials of any kind ,such as the Poly Ethelene substance sandwiched between aluminium panels which caused the recent Grenfell Tower disaster in London.

Section 12: Ecological Information

Reference: These products should be used only for its designated purposes.

Persistence and degradability:	Not determined
Environmental fate:	Not determined
Bio accumulative potential:	Not determined

Section 13: **Disposal considerations**

Disposal method and containers:

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.

Special precautions for landfill or incineration : Not applicable

SAFETY DATA SHEET (SDS)

Section 14: **Transport Information**

UN Number:	None Allocated
UN Proper shipping name:	None Allocated
Class and subsidiary risk:	None Allocated
Packing group:	None Allocated
Special precautions for user:	None Allocated
Hazchem Code:	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 SDS: 02/ April / 2020

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)