

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product Name(s)	TRAFFEX BOARDS
Other means of identification	Magnesium Oxychloride Cement (Mg3(OH)5.Cl.4H2O)
Other Name(s)	Traffex>FLOOR

Synonym(s):

- Fibre Reinforced Engineered Cementitious Composite
- Cement Board Paneling

1.2 Uses and uses advised against Use(s):

FLOORING FACADING • LINING • FENCING • PARTITIONING
CLADDING • BUILDING APPLICATIONS • FIRE PROTECTION

1.3 Details of the supplier of the product

Manufacturer/Supplier:	Trafalgar Group PTY LTD
Address:	26A Ferndell Street, South Granville, NSW 2142
Telephone:	1800 888 714
Email:	sales@tgroup.com.au
Website:	www.tgroup.com.au/

1.4 Emergency telephone number: 1800 888 714

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

2.1 Classification of the substance or mixture

Classified as	Non-Hazardous according to Safe Work Australia Criteria
GHS classification(s)	Acute toxicity-oral: Category 5 Acute toxicity-dermal: Category 5 Acute toxicity-inhalation: Category 5

2.2 Label elements

Signal Word	Warning	
Pictogram(s)	Not allocated	
Hazard statement(s)	H303	Maybe harmful if swallowed
	H313	Maybe harmful if contact with skin
	H333	Maybe harmful if inhaled
Prevention statement(s)	P264	Wash...thoroughly after handling
Response	P304 + P312	IF INHALED: Call a POISON CENTER or doctor/ physician if you feel unwell.
Disposal	See Section 13	

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

Ingredient	Formula	CAS No.	EC No.	Content
Aluminum Silicate (Fly Ash)	AlSiO ₂	68131-74-8	268-627-4	<15%
Magnesium Oxide	MgO	1309-48-4	215-171-9	<30%
Magnesium Chloride	MgCl ₂	7791-18-6	232-094-6	<20%
Natural Cellulose Fibre	C	Not Available	Not Available	<20%
Fiberglass	SiO ₂	Not Available	Not Available	<5%
Other non-hazardous ingredients (fillers and binders)	Confidential	Not Available	Not Available	<5%
Crystalline Silica (Quartz)	SiO ₂	14808-60-7	Not Available	<1%

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Eyes:	If in eyes, rinse immediately with water while holding the eye lids open. Seek medical assistance if irritation persists.
Inhalation:	If irritation occurs, remove source of contamination or move victim to fresh air. Seek immediate medical assistance.
Skin:	If skin or hair contact occurs, remove contaminated clothing and wash gently and thoroughly with soap and water.
Ingestion:	If swallowed immediately wash mouth with water and give plenty of water or milk to drink. Do not induce vomiting. Seek immediate medical assistance or contact a Poisons Information Centre on 13 11 26 (Australia Wide).
First aid facilities:	Eye wash facilities and safety shower should be provided.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Non flammable. Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Non flammable.

5.3 Advice for firefighters

Non flammable. No fire or explosion hazard exists.

5.4 Hazchem code

None allocated.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Contact emergency services where appropriate.

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6.2 Environmental precautions

Prevent product from entering drains and waterways. Collect and place in suitable containers for reuse, treatment and/or disposal. Avoid dust generation.

6.3 Methods of cleaning up

Do not wash material down stormwater drains. Use appropriate vacuum to clean the dust from installation process.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

SECTION 7. STORAGE AND HANDLING

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Heavy items- follow OHS procedure.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, keep away from incompatible substances and foodstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Standards

Exposure to dusts should be maintained below 10 mg/m³, measured as inhalable dust (8 hour TWA).

8.2 Biological Limits

No biological limit allocated.

8.3 Engineering Controls

Avoid inhalation. Use in well-ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard. Use mechanical lifting aids or follow OHS procedure for handling heavy items.

8.4 PPE

Eye and face protection

In the event dust may be produced, wear dust-proof goggles for eye protection.

Skin protection

Wear heavy-weight gloves to protect your hands during handling of heavy product.

Respiratory protection

Where an inhalation risk occurs wear a class P1 or P2 (Particulate) mask.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	OFF WHITE/GREY CEMENT PANEL
Odour:	NO ODOUR
pH:	NOT AVAILABLE
Vapour Pressure:	NOT RELEVANT
Vapour Density:	NOT AVAILABLE
Boiling Point:	NOT AVAILABLE
Melting Point:	>1600° C
Evaporation Rate:	NOT RELEVANT

Solubility (Water)	INSOLUBLE
Specific Gravity	<1.5
% Volatiles	NONE
Flammability	NON FLAMMABLE
Flash Point	NOT RELEVANT
Upper Explosion Limit	NOT RELEVANT
Lower Explosion Limit	NOT RELEVANT

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10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

10.4 Conditions to avoid

No relevant information available.

10.5 Incompatible materials

Incompatible with strong alkali or acids (e.g. sodium hydroxide, sulphuric acid)

10.6 Hazardous decomposition products

May evolve toxic gases if heated to decomposition (>1600° C).

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

Eyes:	Contact may result in irritation, lacrimation, pain, redness and conjunctivitis.
Inhalation:	Highly chronic toxicity – irritant. Over-exposure to dust may cause mucous membrane irritation of the respiratory tract with inflammation with breathing difficulties. An inhalation hazard is not anticipated with normal use.
Skin:	Contact may result in irritation, redness, pain, rash.
Ingestion:	Low to moderate toxicity. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain and diarrhoea.
Toxicity:	No data available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Eco toxicity

The main components of this product are not anticipated to cause any adverse effects to plants or animals.

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

There is no evidence to suggest bioaccumulation will occur.

12.4 Mobility in soil

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Disposal containers and methods

Dispose of products in accordance with local/regional/national/international regulations.

13.2 Physical/chemical properties that may affect disposal options

No information available

13.3 Effects of sewage disposal

No information available

13.4 Special precautions for incineration or landfill

If particulate <100um, covered with moist soil to prevent dust generation

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SECTION 14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	Land Transport (ADG)	Sea Transport (IMDG / IMO)	Air Transport (IATA / ICAO)
UN number	None allocated	None allocated	None allocated
Proper shipping name or technical name	None allocated	None allocated	None allocated
Transport hazard class	None allocated	None allocated	None allocated
Packing group number	None allocated	None allocated	None allocated
Environmental hazards for transport purposes	No information available	No information available	No information available
Special precautions for user	None	None	None
Additional information	None	None	None

SECTION 15. REGULATORY INFORMATION

Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications: Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

Hazard codes:
None allocated

Risk phrases
R36/37/38 Irritating to eyes, respiratory system and skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases
S22 Do no breath dust
S24/25 Avoid contact with skin and eyes
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Inventory listing/s All chemical components are listed on AICS (Australian Inventory of Chemical Substances)

SECTION 16. OTHER INFORMATION

Prepared by : Trafalgar Group

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Australian Standards References:

AS/NZS 1336	Recommended Practices for Occupational Eye Protection
AS/NZS 1715	Selection, Use and Maintenance of Respiratory Protective Devices
AS/NZS 1716	Respiratory Protective Devices
AS 2161	Industrial Safety Gloves and Mittens (excluding electrical and medical gloves)

Abbreviations

WHS	Workplace Health and Safety
OHS	Occupational Health and Safety
ADG Code	Australian Code for the Transport of Dangerous Goods by Road & Rail
WES	Workplace Exposure Standards For Airborne Contaminants
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
HCIS	Hazardous Chemical Information System (HCIS), Internet advisory service, Safe Work Australia.
CAS	Chemical Abstracts Service (division of the American Chemical Society)
TWA	Time Weighted Average
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
AICS	Australian Inventory of Chemical Substances

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