

A.G.T. AUSTRALIAN GLASS TECHNOLOGY P/L
PHONE: 0412 253 431 ABN: 24 09 067 0410
PO Box 6758
Gold Coast Mail Centre
QLD 9726

Appendix 1

MATERIAL SAFETY DATA SHEET

COMPANY DETAILS 01/01/2010

Company	Australian Glass Technology Pty Ltd A.C.N No. 090 670 410		
Contact Name	Jim McLeod	Mark McLeod	Chris McLeod
Mobile	04 1225 3431	04 0921 5680	04 1270 1365
Facsimile	07 5514 0602		
Email Address	AustGlassTech@bigpond.com		

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Australia.

Manufacturers Code	Various Grades	Uses	(See Below)
APPLICATION		GRADES (Particle Sizes, Max-Min)	
Abrasive Blasting		2.5mm – 1.5mm 1.5mm – 0.85mm 0.85mm – 0.3mm 0150mm – 0.25mm 0.3mm – 0.106mm < 0.106mm	
Decorative Landscaping		10mm – 5mm 5mm – 2.5mm 2.5mm – 1.5mm	
Epoxy Filler		2.5mm – 1.5mm 1.5mm – 0.75mm 0.75mm – 0.3mm 0.3mm – 0.106mm	
Non Slip Surface Additive		0.3mm – 0.106mm < 0.106mm	
Roof Tile Binder		< 0.106mm	
Brick Additive		< 0.106MM	
Terrazo Aggregate		5mm – 2.5mm 2.5mm - 1.5mm	



Paving Brick Aggregate	2.5mm – 1.5mm
Fire Fighting Compound	0.3mm – 0.1mm
Industrial Soak Up Compound	0.3mm – 0.1mm

CAS Number	Nil assigned	UN Number	Nil assigned
Hazchem Code	Nil assigned	Subsidiary Risk	Nil assigned
Dangerous Goods Code	Not applicable	Poisons Schedule	Nil assigned

PHYSICAL DESCRIPTION / PROPERTIES

Appearance	Crushed glass – colourless, blue, mixed amber, mixed green, Odourless, inorganic solid, ground and graded glass.
Boiling Point	Not applicable
Melting Point	> 800°C
Vapour Pressure	Not applicable
Specific Gravity	2.5 Approximately
Flashpoint	Non-flammable
Flammability Limits	Not applicable
Solubility in Water	Insoluble

INGREDIENTS

Soda lime silica glass, with the following chemical composition

Na ² O + K ² O + Li ² O	12-15%
CaO + MgO	10-13%
Al ² O ₃	1-2%
Other OXIDES (EXCEPT SiO ₂)	0-1%
SiO ₂ (bound)	Balance

CONTAINS NO FREE SILICA

HEALTH HAZARD INFORMATION

The glass aggregate or dust particles in this product are chemically inert and may be regarded as having no specific toxicological effects. In high concentration, glass particles may cause some microscopic mechanical damage.

HEALTH EFFECTS

Acute

Eyes	Physical Irritant 'foreign body', as are all commercial/domestic dusts, causing temporary irritation or inflammation.
Skin	Healthy skin is not susceptible to irritant effects from inert grit. Hot sweaty conditions coupled with rubbing may produce skin irritation.
Inhalation	No reports of adverse effects in humans. No significant gross changes detected in laboratory animals.



Swallow Particles <10pm are relatively soluble. Larger particles limited to entry into mouth, nose, throat and upper airways.
Simple physical irritant

Chronic

There is no data available in the literature on glass particles to indicate the occurrence of any adverse health effects in long term exposure to glass particles

FIRST AID

Eyes Irrigate/flush with copious quantities of water (ensure eyelids remain open). Do not rub or scratch. If symptoms persist, seek medical advice.
Skin Wash skin under running water. Treat grazes/cuts with antiseptic and cover.
Inhalation Generated dust may produce temporary upper respiratory irritation. (Remove to fresh air - blow nose).
Swallow No action considered necessary. If pre-existing gastro-intestinal or medical conditions exist, obtain medical advice.

Advice to Doctor

Mechanical/Physical irritant with no expected resultant health effects. Treat symptomatically to remove the source of irritation.

PRECAUTIONS FOR USE

Exposure Standards

Worksafe Australia terms these dusts "Dusts not otherwise classified". The Exposure standard (Time weighted average) is 10mg/m³ measured as inspirable dust. The American Conference of Government Industrial Hygienists similarly determined a Threshold Limit Value for "particles not otherwise classified" and established the same exposure standard. While glass dust is not recognised as causing serious pathological conditions, the concentration of exposure should be maintained as low as practicable.

Engineering Controls

Avoid generating airborne particles by vessel containment / process enclosure controls. For controlling safety and environmental issues during blasting, PLEASE REFER to the relevant legislative guide / standards in our State / Territory or Country.

Personal Protection

For general handling, provide goggles, dust mask and leather and/or fabric gloves. Plastic apron, sleeves and boots may be used. When blasting the following Australian Standards Must Be Followed:

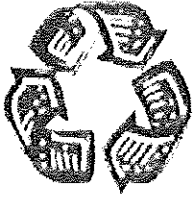
AS/NZS 1715 & 1716	Respiratory Devices
AS/NZS 1337 & 1338	Eye Protection
AS2210	Foot Protection
AS2375	Protective Clothing
AS/NZS 1270	Hearing Protection

Flammability

Not flammable

SAFE HANDLING INFORMATION

Transport



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Not classified as a hazardous material – no specific transport considerations required.

Storage

No special storage requirements necessary.

Spills and Disposal

Sweep using a dust suppressant or vacuum. Do not use compressed air. Wear goggles, dust mask and gloves. Normally suitable for disposal at approved land waste sites – refer to State / Territory Environmental Management Authority.

Fire/Explosion Hazard

None

OTHER INFORMATION

Ecotoxicity Data

Negligible leachate from the glass particles as determined by the Toxicity Characteristics Leaching Procedure (TCLP) Test.

Radioactivity

Radiation levels are very low as approved by Queensland Health Department in accordance with "Health (Radioactive Substances) Regulation 1994".

CONTACT POINT

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