



Safety Data Sheet

PRODUCT IDENTIFIER:

Recycled Crushed Glass

RECOMMENDED USES:

<i>APPLICATION</i>	<i>GRADES (PARTICLE SIZE, MAX-MIN)</i>
<i>Abrasive Blasting</i>	<i>2.5mm – 1.5mm 1.5mm – 0.85mm 0.85mm – 0.3mm 0.150mm – 0.25mm 0.3mm – 0.106mm <0.106mm</i>
<i>Decorative Landscaping</i>	<i>10mm – 5mm 5mm – 2.5mm 2.5mm – 1.5mm</i>
<i>Epoxy Filler</i>	<i>2.5mm – 1.5mm 1.5mm – 0.75mm 0.75mm – 0.3mm 0.3mm – 0.106mm</i>
<i>Non Slip Surface Additive</i>	<i>0.3mm – 0.106mm <0.106mm</i>
<i>Roof Tile Binder</i>	<i><0.106mm</i>
<i>Brick Additive</i>	<i><0.106mm</i>
<i>Terrazzo Aggregate</i>	<i>5mm – 2.5mm 2.5mm – 1.5mm</i>
<i>Paving Brick Aggregate</i>	<i>2.5mm – 1.5mm</i>
<i>Fire Fighting Compound</i>	<i>0.3mm – 0.1mm</i>
<i>Industrial Soak Up Compound</i>	<i>0.3mm – 0.1mm</i>
<i>Water Filtration</i>	<i>3.0mm – 0.7mm</i>
<i>Fiberglass Bats</i>	<i>7.0mm – 0.5mm</i>
<i>White Ant Barrier</i>	<i>3.5mm – 1.0mm</i>

RESTRICTIONS OF USE:

Nil

HAZARD IDENTIFICATION:

Not classified as hazardous according to criteria of worksafe Australia

COMPOSITION/ INFORMATION ON INGREDIENTS:

Ingredients:

Soda, lime, silica, glass with the following composition

$Na^2O + K^2O + Li^2O$	12 – 15%
$CaO + MgO$	10 – 13%
Al^2O^3	1 – 2%
<i>Other Oxides (Except SiO^2)</i>	0 – 1%
SiO^2 (Bound)	Balance
CONTAINS NO FREE SILICA	

FIRST AID MEASURES:

***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 and 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.*

FIRE/ EXPLOSION HAZARD:

None.

ACCIDENTAL RELEASE MEASURES / 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.

HANDLING AND STORAGE:

No special storage requirements necessary.

EXPOSURE CONTROLS/PERSONAL PROTECTION:

***EXPOSURE STANDARDS:** Worksafe Australia terms these dusts "Dusts not otherwise classified". The exposure standard (Time weighted average) is $10mg/m^3$ 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 recognized 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 your 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

PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Crushed glass – colorless, blue, mixed amber, mixed green, odorless, 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.

STABILITY AND REACTIVITY:

Not applicable.

TOXICOLOGICAL 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:

ACCUTE:

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. Particles <10µm are relatively soluble. Larger particles limited to entry into mouth, nose, throat and upper airways.

SWALLOW: 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.

TRANSPORT INFORMATION:

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

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".