

Meta NZ BlastGlass

Material Safety Data Sheet

Product: Screened Crushed Glass
Trade Name: BlastGlass
Company: Meta NZ Ltd
Christchurch
New Zealand

Identification

100% crushed and screened container glass. Particles are graded in various sizes ranging from 0.075 mm to 2.0mm across.

CAS number: mixture/None assigned
Hazchem Code: not applicable
Uses: blasting abrasive.

This material is not classified as hazardous according to the criteria as designated by NZS 5433: 1988 code of practice for the transport of hazardous substances on land. No personal or environmental hazard is anticipated, provided that the material is handled and disposed of with appropriate care and attention.

Physical Description/Properties

Inorganic solid (ground and particle size graded glass)

Appearance and odour: fine clear with traces of brown, green and blue crushed glass chips and fragments; no odour.

Boiling point/melting point: Not applicable
Vapour pressure: Not applicable
Specific gravity: 2.5 -2.6
Flash point: Not applicable
Flammability limits: Not applicable
Solubility in water: Immiscible or insoluble
Evaporation rate: Not applicable
pH level: Not applicable
Stability and reactivity: Stable

Health Hazard Information

Potential Health Effects

Minimal exposure to air borne dust is expected with the raw material due to the large size of the particles. Spent material will contain finer glass particles that can create a nuisance dust.

Acute (short-term): glass particles are a mechanical irritant to skin, eyes and upper respiratory system.

Chronic (long-term): no known long-term health effects.

Target Organs: respiratory system, skin, and eyes.

Primary Routes of Entry (exposure): inhalation, skin and eye contact.

Medical Conditions Which May Be Aggravated: airborne particles may aggravate pre-existing upper respiratory and lung diseases and conditions.

First Aid

Inhalation: dust generated from the use of this product may cause temporary upper respiratory irritation and/or congestion - remove affected individuals to fresh air. Blow nose to remove dust.

Eye Contact: do not rub or scratch your eyes. Glass particles may cause the eye to be scratched. Irrigate thoroughly with water. If irritation persists obtain medical attention.

Skin Contact: wash off thoroughly with soap and water, dress wound if skin grazed.

Ingestion: if this product is ingested, irritation of the gastrointestinal tract may occur, and should be treated symptomatically. Wash out mouth thoroughly with water and then drink plenty of water to help reduce the irritation. In severe cases obtain medical attention.

Advice to Doctor: this product is a mechanical/physical irritant and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed towards removing the source of the irritation with symptomatic treatment as necessary.

Precautions for Use

There are no workplace standards that apply to this product. However, the use this material may create glass dust for which the following exposure standards may apply.

Workplace Glass Dust Exposure Standards: expressed as a TWA (time-weighted average).

New Zealand OSH, US Occupational Safety and Health Administration, Washington Industrial Safety and Health Act: 5mg/m³ inspirable dust, 15 mg/m³ for total dust and 5mg/m³ respirable fraction (particles less than 10 microns). 10mg/m³ total dust.

Glass dust is generally considered as innocuous and not recognised as the cause of serious pathological conditions. However, its level should be kept as low as practicable.

Personal Protection

Summary: appropriate protective clothing and equipment should be used to protect nose throat, eyes and exposed skin.

Eye: safety glasses with side-shields are recommended.

Skin: leather or combination leather and fabric gloves are recommended as are plastic apron, sleeves and boots.

Respiratory: a suitable respirator should be used when working with this product.

Ventilation: no special ventilation systems are required under normal conditions of use.

Safe Handling Information

Storage: store at room temperature (15-25°C recommended). Keep well closed and protected from direct sunlight and moisture.

Transport: not classified as a hazardous material.

Type of Container/Packaging: this information is conditional to customers requirements, suggest an overview of the normal packaging containers plus weight/volume as applicable.

Spills and Disposal: carefully sweep up using a dust suppressant such as water. Do not dry sweep dusts or use compressed air for clean up. Spilt unused material should be placed in a suitable container and disposed as ordinary refuse.

Spent abrasive may contain hazardous materials. Contact local authority for disposal criteria/options.

Fire/Explosion Hazard: there is no potential for fire or explosion. No special procedures are expected to be necessary for this product.

Other Information

No evidence of carcinogenic properties.

No evidence of mutagenic or teratogenic effects.

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

More Information

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