
MATERIAL SAFETY DATA SHEET

CRUSHED GLASS (VCG)**Not classified as hazardous according to criteria of Safe Work Australia**

IDENTIFICATION

Product Name:	VCG Crushed Glass
Synonyms:	EnviroSand
Product Codes:	Five gradings – VCG3917 / VCG3015 (Coarse); VCG1575 (Medium); VCG8520 / VCG7020 (Fine); VCG(Super Fine); VCG1800 (Moon Dust)
Manufacturer:	Recycled Glass processed under Licence Agreement for Enviro Sand
Address:	Enviro Sand process factory located at 228B Lavarack Avenue, Pinkenba, Brisbane, Queensland, Australia 4008
Emergency Phone:	Brisbane (07) 3157 6650 (normal Business Hours Monday to Friday) Poisons Information Centre 13 11 26
Product Use:	Abrasive blasting; filter media; concrete & asphalt additive; termite barrier; filler; pipe bedding

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Crushed glass - flint (colourless, blue, mixed amber, mixed green). Odourless, inorganic solid, ground, and graded glass. Solid, angular granular particles.
Boiling Point:	Not Applicable
Flash Point [C]:	Non-Flammable
Flammability Limits [%]:	Not Applicable
Specific Gravity:	2.5 approx [water = 1]
Melting Point:	>800 °C
Vapour Pressure:	Not Applicable
Solubility In Water:	Insoluble

INGREDIENTS

Flint glass, with the following chemical composition:

	CAS No.	% WT.	% VOL.
Crushed Glass	65997-17-3	100	100

Notes: Moisture content typically 0.1%; recycling residues typically <0.2%

ECOLOGICAL INFORMATION

This product is not expected to cause adverse effects to animals or plant life is released to the environment in its standard packaging quantities. Not expected to bioaccumulate.

TOXICOLOGICAL INFORMATION

Low toxicity. Under normal conditions of use adverse health effects are not anticipated. Use safe work practises to avoid eye contact, prolonged skin contact and dust generation leading to inhalation risk.

- Eye:** Low to moderate irritant.
Skin: Low irritant. Prolonged exposure may lead to skin irritation or dermatitis.
Inhalation: Low irritant. Over exposure may result in irritation of nose and throat with coughing.
Ingestion: Low toxicity. Ingestion from hand to mouth contamination may result in gastrointestinal irritation and nausea.
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HEALTH HAZARD

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

POSSIBLE ROUTES OF ENTRY: Inhalation – Yes; Ingestion – No; Skin – No; Other – No.

Hazard Statement(s):

- H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Prevention Statement(s):

- P261 Avoid breathing dust
P264 Wash skin thoroughly after handling
P271 Use only outdoors or in well ventilated area
P280 Wear protective gloves/protective clothing/eye protection/face protection against dust

Response Statement(s):

- P302+P352 IF ON SKIN – wash with plenty of soap and water
P304+P340 IF INHALED – remove to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present (and easy to do). Continue rinsing.
P321 Call a POISON CENTRE or doctor if feeling unwell
P332+P337+P313 Specific treatment is advised – see first aid instructions
P362 If skin or eye irritation occurs – get medical advice or attention. Take off contaminated clothing and wash before reuse.

Storage Statement(s):

- P403+P223 Store in a well-ventilated area. Keep containers fully closed.
P405 Store in a secure area.

Disposal Statement(s):

- P501 Dispose of contents/containers in accordance with relevant local authority guidelines.

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

Acute:

Eye: 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 irritancy.

Inhalation: No reports of adverse effects in humans. No significant gross changes detected in laboratory animals. Particles 10 µm are relatively soluble. Larger particles limited to entry into mouth, nose, throat and upper airways.

Ingestion: 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.

PRECAUTIONS FOR USE

Exposure Standards:

Work Safe Australia terms these dusts "Dusts not otherwise classified": [containing no asbestos and less than 1% crystalline silica]. The Exposure Standard [Time Weighted Average] is 10 mg/m, measured as inspirable dust.

The American Conference of Government Industrial Hygienists similarly determined a Threshold Limit Value for "Particulates 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 **please refer** to the relevant legislative guide/standards in state 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. For blasting, **please refer** to the relevant legislative guide/standard in your state or country.

FIRST AID

Eye: Irrigate/flush 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 and/or expectorate from mouth].

Ingestion: No action considered necessary. If pre-existing gastro-intestinal or medical condition exists, obtain medical advice.

SAFETY HANDLING INFORMATION

Flammability: Not flammable.

Transport: Not classified as hazardous material - no specific transport considerations entailed.

Storage: No special storage requirements necessary.
Fire/Explosion Hazard: None.
Hazchem code: None allocated.

TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name:	None allocated.	UN No.	None allocated.
Packing Group:	None allocated.	DG Class:	None allocated.
Subsidiary Risk(s):	None allocated.	Hazchem code:	None allocated.

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 and Local Government Land Management Authority.

REGULATORY INFORMATION

Poisons Schedule: A Poison Schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)

OTHER INFORMATION

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

Radioactivity:

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

Disclaimer:

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. To the extent permitted by law, no responsibility

Abbreviations:

SWA Safe Work Australia
TWA Time Weighted Average
Mg/m³ milligrams per cubic metre
pH hydrogen ion concentration (pH=1 means highly acidic; pH=14 means highly alkaline)

Date of Preparation Information:

11 April 2018