

Material Safety Data Sheet

Not classified as Hazardous substance according to Safe Work Australia criteria

1.0 Identification of the material and supplier

Supplier: Crushed Glass Concepts
Product Name: Crushed Glass
Other Names: Glass fines
Recommended Use: Drainage fill, back fill, water filtration, abrasive blasting, sand and aggregate replacement
Emergency Contact: 000

2.0 Hazard Identification

NON HAZARDOUS SUBSTANCE AND NON DANGEROUS GOOD

3.0 Composition / Information on Ingredients

Chemical	CAS No:	Proportion
Silicon dioxide (SiO ₂)	Not available	73%
Sodium Oxide (Na ₂ O)	1313-59-3	13%
Calcium Oxide (CaO)	1305-78-8	12%
Aluminium Oxide (Al ₂ O ₃)	1344-28-1	<1 – 2%
Non Hazardous Organic Matter	Not available	0.05% - 0.1%
TOTAL		100%

4.0 First Aid Measures

Ingested	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed do not induce vomiting.
Eye	Flush gently with running water. Seek medical attention if irritation persists.
Skin Contact	Gently flush affected areas with water. Seek medical attention if irritation develops.
Inhaled	If over exposure occurs leave exposure area immediately. If irritation persists seek medical attention.
Other Information	Treat symptomatically

5.0 Fire Fighting Measures

Suitable Extinguishing Media

Non-flammable.

Hazards from Combustion Products

Non-flammable. No fire hazards exist.

Precautions for Fire Fighters

Non-flammable. No fire hazards exist.

6.0 Accidental Release Measures

Emergency Procedures

If spilt (bulk), wear dust-proof goggles, PVC/rubber gloves and a Class P1 (Particulate) respirator. Ventilate spillage area.

Methods and Materials for Containment and Clean Up Procedures

Collect and place in sealable containers for disposal. Avoid generating dust.

7.0 Handling and Storage

Precautions for Safe Handling

Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Prevent activities which generate airborne dust. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Conditions for Safe Storage

Store in a cool, dry, well ventilated area away from food stuffs.

8.0 Exposure Controls / Personal Protection

INHALABLE DUSTS – Dusts not otherwise classified

Occupational Exposure Standard - TWA: 10mg/m³ Inhalable dust

SILICON DIOXIDE

Occupational Exposure Standard – Not Relevant

SODIUM OXIDE

Occupational Exposure Standard – Not Relevant

CALCIUM OXIDE - 1305-78-8

Occupational Exposure Standard -TWA: 2 mg/m³

ALUMINIUM OXIDE - 1344-28-1

Occupational Exposure Standard -TWA: 10 mg/m³ (total dust)

Engineering Controls: Use only in well-ventilated areas. Consider local exhaust ventilation.

Personal Protective Equipment: Dust proof goggles and PVC rubber gloves. When using large quantities or where heavy contamination is likely, wear coveralls. At high dust level, wear Class P1 (Particulate) Respirator.

9.0 Physical and Chemical Properties

Appearance	Mixed - clear, brown, green, blue broken glass
Odour	Odourless
pH	Not available.
Vapour Pressure/Vapour Density	Not applicable.
Boiling Point/Freezing Point/Melting Point	Not available.
Solubility	Not available.
Specific gravity/Density	Not available
Flash Point/UEL & LEL	Not relevant.

10.0 Stability and Reactivity

Chemical Stability

Material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid

Avoid exposure to direct flame or heat sources.

Incompatible Materials	Not available
Hazardous Decomposition Products	Not available

11.0 Toxicological Information

Acute	Effect
Ingested	Low toxicity. Ingestion from hand to mouth contamination may result in gastrointestinal irritation and nausea
Eye	Low to moderate irritant. Exposure may result in irritation, pain and redness.
Skin	Low irritant. Prolonged and repeated exposure may cause irritation and dermatitis.
Inhaled	Low irritant. Over exposure may result in nose and throat irritation and coughing.
Chronic	Low toxicity. Under normal condition adverse health effects are not anticipated. Use safe work practices.

12.0 Ecological Information

This product is not anticipated to cause adverse effects to animal or plant life if released to the environment.

13.0 Disposal Considerations

Disposal Methods

Product may be suitable for approved landfills. Dispose of only in accordance with all local, state and territory regulations. Recycle containers wherever possible.

14.0 Transport Information

Not classified as Dangerous Good according to Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number	Non Allocated
Shipping Name	Non Allocated
Class	Non Allocated
Sub Risk Class	None Allocated
Packing Group	Non Allocated
Special Precaution	Non Allocated
Hazchem Code	Non Allocated

15.0 Regulatory Information

All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

No poison schedule number has been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

16.0 Other Information

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product for the purpose it was designed for.

ABBREVIATIONS:

mg/m ³ –	Milligrams per cubic metre
TWA/ES –	Time weighted average / exposure standard
UEL -	Upper Explosive Limit
LEL -	Lower Explosive Limit
pH -	Acidity or Alkalinity
CAS# -	Chemical Abstract Service number