

SAFETY DATA SHEET – RECYCLED CONCRETE

1. IDENTIFICATION OF THE MATERIAL/MIXTURE AND SUPPLIER

Product Name	10mm Concrete Aggregate, 20mm Concrete Aggregate, -5mm Concrete Dust
Synonyms	Aggregate and Dust
Recommended Uses	Pipe drainage, side, and overlay, retaining wall drainage, slab, footpath, and driveway bedding
Supplier	Concrush Pty Ltd
Address	21 Racecourse Road, Teralba NSW 2284
Telephone	(02) 4958 3777
Website	www.concrush.com.au
Contact	Ross Lo Monaco (02) 4958 3777 (7am-5pm, Monday-Thursday) (7am-4pm Friday-Saturday)
Emergency After Hours	Kevin Thompson 0408 687 093 Poison Information Centre (AU) 13 11 26

This Safety Data Sheet (SDS) is issued by Concrush Pty Ltd in accordance with the requirements of SafeWork NSW 'Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals, December 2022', WHS Regulations (Hazardous Chemicals) Amendment 2020, and Australian Dangerous Goods. As such, the information in it must not be altered, deleted or added to. Concrush Pty Ltd will not accept any responsibility for any changes made to its SDS by any other person or organisation.

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA.

This product is not classified as a dangerous good by the criteria of the ADG code, IMDG, or IATA.

Other hazards

Airborne dust potentially generated from the supplied product may contain respirable-sized particles of crystalline silica (SiO₂) which can cause illness or disease if inhaled. The below hazard identification refers to the circumstance where airborne dust is generated from the recycled aggregate.

Recommendations on Exposure Controls / Personal Protection (see Section 8 below) should be followed.

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Label Elements		
Signal Word	Warning	
GHS Classification	Hazard Statements	Pictograms
H316	Causes mild skin irritation.	Nil
CRYSTALLINE SILICA DUST CATEGORY 3 (H335)	May cause respiratory tract irritation.	
CRYSTALLINE SILICA DUST CATEGORY 1 (H372)	Causes damage to organs (lung/ respiratory) through prolonged or repeated exposure (inhalation).	
CRYSTALLINE SILICA DUST CATEGORY 1A (H350i)	May cause cancer by inhalation	
Prevention Statements		
P203	Obtain, read and follow all safety instructions before use.	
P260	Do not breathe dust.	
P264	Wash hands thoroughly after handling.	
P271	Use only outdoors or in a well-ventilated area.	
P272	Contaminated work clothing should not be allowed out of the workplace.	
P280	Wear protective gloves/protective clothing/eye and face protection.	
Response Statements		
P304+P340, P319	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.	

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Composition	Recycled concrete aggregates and dust is composed of materials from the crushing and screening of demolished concrete.	
Chemical Nature	Content	
Quartz SiO_2	>60%	
Sodium plagioclase $\text{NaAlSi}_3\text{O}_8$	10-<20%	
Potassium feldspar KAlSi_3O_8	<6%	
Other non-hazardous ingredients	<10%	

4. FIRST AID MEASURES

Eye	Flush eyes with plenty of water for 15 minutes. Keep rotating the eyes to ensure complete flushing of all particles. Contact Poison Information Centre or a doctor if irritation persists or any abrasions/ burns occur.
Skin	Wash skin thoroughly with cool water and mild soap. Launder contaminated clothing before re-use.
Inhaled	Remove affected person promptly to fresh air. Contact Poison Information Centre or a doctor for discomfort or if coughing or other symptoms do not subside. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
Swallowed	Due to product form and application, ingestion is considered unlikely. For advice, contact Poison Information Centre or a doctor.
Notes to Doctor	Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Extinguishing Media	Not relevant. The product is non-combustible and will not burn. Use extinguishing media appropriate for any surrounding fire.
Fire Fighting Procedures	Not relevant. The product is non-combustible and will not burn. Avoid breathing dust.
Hazardous Composition Products	Nil.

6. ACCIDENTAL RELEASE MEASURES

General Measures	Avoid creating excessive dust. Any residual fine material should be wet down to minimise airborne dust and swept up. Avoid actions that cause the material to become airborne. Avoid inhalation. Prevent run-off into drains and waterways.
Waste Disposal Methods	Dispose of waste according to federal, state or local regulations.
Emergency Procedures	Not relevant.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Dampen spills, if possible. Sweep up spilled material and place in a container. Avoid actions that cause the material to become airborne. Avoid inhalation. Prevent run-off into drains and waterways. Wear appropriate PPE as described in Section 8. Reuse crushed concrete wherever possible.
Conditions for Safe Storage	Ensure adequate load-bearing capacity of ground, floors or platforms when storing material.
Incompatibilities	Not relevant.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure to material should be kept as low as practicable.

Australian Workplace Exposure Standards

Respirable crystalline silica (RCS) 0.05 mg/m³

Engineering Controls

Ventilation Avoid inhalation in dusty applications. Use in well-ventilated area. Where an inhalation risk exists, wet down the product or use mechanical extraction ventilation to keep dust levels below exposure standards. Wear PPE as listed below.

Personal Protective Equipment

Respiratory Protection Not required when handled under normal conditions. When risk of dust generation is possible e.g. during installation, use a fit tested RPE.

Eye Protection Wear approved safety glasses, goggles or face shield when dust is being generated by cutting, drilling, chasing, grinding, sanding or polishing.

Foot Protection Wear safety footwear.

Skin Protection Wear cloth or leather gloves to protect hands against abrasion. Impervious gloves and apron should be worn when handling wet product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Varies. Granular with no odour.

Boiling Point Not relevant.

Melting Point Not relevant.

Vapour pressure Not relevant.

Bulk density Not available.

Flash Point Not flammable.

Flammability Limits Not flammable.

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Auto ignition temperature	Not relevant.
Solubility in water	Insoluble.

10. STABILITY AND REACTIVITY

Chemical Stability	Chemically stable.
Incompatible Materials	Not relevant.
Conditions to Avoid	Not relevant.
Hazardous Decomposition Products	Not relevant.
Hazardous Reactions	Not relevant.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Unlikely under occupational exposure to intact tile.
Skin corrosion/irritation	Repeated contact may cause irritation and drying of skin.
Serious eye damage/irritation	Airborne dust may cause immediate or delayed irritation or inflammation. Eye contact with large amounts of dust can cause moderate eye irritation and abrasion. Eye exposures require immediate first aid and medical attention to prevent significant damage to the eye.
Respiratory or skin sensitisation	No evidence identified.
Germ cell mutagenicity	No evidence identified.
Carcinogenicity	For inhalation exposure to RCS in dust generated by cutting or grinding tile - Classified by the IARC as Group 1: CARCINOGENIC TO HUMANS.
Reproductive toxicity	No evidence identified.
Toxicity for specific target organ - single exposure	No evidence identified.

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Toxicity for specific target organ - repeated exposure	For inhalation exposure to RCS in dust generated by cutting or grinding tile – can cause silicosis, progressive massive fibrosis, chronic obstructive pulmonary disease, and chronic bronchitis.
Aspiration hazard	No evidence identified.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Material is non-toxic to ecosystems.
Persistence and Degradability	Product is persistent and has a low degradability.
Mobility	Low mobility would be expected in landfill situations.

13. DISPOSAL INFORMATION

Disposal Method	Dispose of waste and containers in compliance with applicable federal, state and local regulations. Suitable for disposal to landfill sites. Keep out of stormwater and sewer drains.
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14. TRANSPORTATION INFORMATION

UN number	Not relevant.
Proper shipping name or technical name	Not relevant.
Transport hazard class	Not relevant.
Packing group number	Not relevant.
Environmental hazards for transport purposes	Not relevant.
Special precautions for user	Not relevant.
Additional information	Not relevant.
Hazchem or emergency action code	Not relevant.

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15. REGULATORY INFORMATION

Exposures by inhalation of high levels of dust may be regulated under the Hazardous Substances Regulation as they are applicable to Respirable Crystalline Silica.

Silica requiring exposure assessment, controls and health surveillance (NOHSC).

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).

16. OTHER INFORMATION

Issue Date	May 2025
Produced by	WSP Australia Pty Ltd
Reference Document	SafeWork NSW (2022) Code of practice: Preparation of Safety Data Sheets for Hazardous Chemicals December 2022.
Packing group number	Not relevant.