Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Identifier

Product Name	QUARRY PRODUCTS
Synonyms	• SEALING AGGREGATES • ASPHALT AGGREGATES • CONCRETE AGGREGATES • BALLAST • BROKEN ROCK • CLASS CRUSHED ROCK • COMMERCIAL CRUSHED ROCK • CRUSHER DUST • GRIT • OVERSIZE • SPALLS •

1.2 Uses and uses advised against

Uses	AGGREGATE • CONSTRUCTION & COMMERCIAL APPLICATIONS • ROAD CONSTRUCTION

1.3 Details of the supplier of the product

Supplier Name	**WESTERN QUARRIES TUCKERS HILL**
Address	Tuckers Hill Road, Great Western, VIC, 3374
Telephone	(03) 5352 2660
Website	https://westernquarries.com/

1.4 Emergency telephone numbers

Emergency	13 11 26 (Poisons Information Centre)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical Hazards

Not classified as a Physical Hazard

Under typical circumstances, the supplied solid product is categorised as non-hazardous and poses no risks to inhalation, ingestion, skin, or eyes. However, dust produced during processing, abrasion, or crushing the product may contain crystalline silica, some of which may be inhalable. Continual exposure to crystalline silica dust may result in silicosis (lung fibrosis).

This item is a crystalline silica substance as it includes more than 1% crystalline silica (quartz) as specified in Victoria's Occupational Health and Safety Amendment (Crystalline Silica) Regulations 2021 S.R. No. 137/2021

Health Hazards

Carcinogenicity: Category 1A

Specific Target Organ Toxicity (Repeated Exposure): Category 1

Environmental Hazards

Not classified as an Environmental Hazard

2.2 Other Hazards

The hazard information provided in this Safety Data Sheet applies to the dusts within Quarry Products and particularly inhalable dust particles with a diameter less than 100 microns.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Content
SOURCE MATERIAL CONTAINING SILICA (SiO2)	14808-60-7	238-878-4	65.1%

4. FIRST AID MEASURES

4.1 Description of first aid measures, Short Term Exposure

Eye If in eyes, hold eyelids apart and flush continuously with running water / eye wash station. Continue flushing until advised to stop by a Health Professional, or for at least 15 minutes.

Inhalation May cause irritation of the nose, throat and lungs causing nausea, coughing, sneezing and breathing difficulties. Remove the source of contamination, move the person to fresh air. If irritation persists, seek medical attention.

Skin May cause irritation to the skin from friction. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water until dust is removed. If irritation persists, seek medical attention.

Ingestion Due to product form and application, ingestion is considered unlikely. May cause irritation to the mouth, oesophagus and stomach. Wash mouth out with clean water. If irritation persists, seek medical attention.

4.2 Description of first aid measures, Long Term Exposure

Inhalation Repeated or prolonged inhalation of dust containing crystalline silica (quartz) can cause bronchitis, silicosis (scarring of the lung) and lung cancer. It may also increase the risk of scleroderma, a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs.

On 19 December 2019 Safe Work Australia amended the Advisory Carcinogen Category for Cristobalite, Quartz, Silica – Crystalline and Tridymite to Carcinogen 1A – Known to have carcinogenic potential for humans.

Please Note:
Studies have shown that smoking increases the risk of bronchitis, silicosis and lung cancer in persons exposed to crystalline silica (quartz).

4.3 Immediate medical attention and special treatment needed.

Treat symptomatically.

5. FIRE FIGHTING MEASURES – N/A

6. ACCIDENTAL RELEASE MEASURES – N/A

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

The product SDS should be carefully studied before usage. Safe work practices should be used to prevent inhalation and contact with the skin or eyes.
Follow good personal hygiene practices, such as washing your hands before eating. Eating, drinking and smoking are not permitted in crushing or storage locations.

7.2 Conditions for safe storage, including and incompatibilities.

All stockpiles, haul roads and crushing activities should be managed to avoid as much dust generation as possible by use of water sprays and monitoring weather conditions.

7.3 Specific end uses

Not recommended for household use. This product contains more than 1% crystalline silica and is considered a Crystalline Silica Substance as specified in Victoria's Occupational Health and Safety Amendment (Crystalline Silica) Regulations 2021, S.R. No. 137/2021.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure Standards.

Ingredient	Reference	TWA	
		ppm	mg/m³
Crystalline Silica, Quartz (respirable dust)	SWA (AUS)	-	0.05
	WorkSafe Action Level		0.02

8.2 Exposure controls

Engineering controls The creation of dust should be minimised at all times (recommend dampening material and stockpiling surfaces), and dust inhalation should be avoided at all costs. If necessary, the levels of airborne dust can be regulated using dust suppression. Work areas should be cleaned and regularly maintained, especially prior to performing maintenance. Maintain respirable dust and Quartz (Respirable Crystalline Silica) concentrations within the advised exposure limits (see 8.1 above).

PPE	Personal protective equipment (PPE) should meet recommended national standards.
Eye/Face	Wear safety glasses or dust proof goggles when handling material to avoid contact with eyes. Refer to AS/NZS 1336.
Hands	Where hands are subject to dry skin or skin tears, wear PVC, rubber or cotton gloves. Refer to AS/NZS 2161.
Body	Wear long sleeved shirt and full-length trousers.
Respiratory	Personal respiratory protection is required where dust is airborne. The type of respiratory protection required depends primarily on the concentration of the inhalable and respirable dust in the air, and the frequency and length of exposure time. A suitable P2 particulate respirator chosen and used in accordance with AS/NZS 1715 and AS/NZS 1716 may be sufficient for many situations, but where high levels of dust are encountered, more efficient cartridge-type or powered respirators may be necessary. Facial hair will also determine which respirator is suitable. Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly.

Australian Standard PPE Controls where required.

Half Face Mask **Full Face Mask** **Safety Glasses or Goggles** **Gloves**

9. PHYSICAL AND CHEMICAL PROPERTIES- N/A

10. STABILITY AND REACTIVITY

10.1 Reactivity

This material is considered inert.

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 Conditions to avoid

Avoid dust generation. Do not use compressed air to clean surfaces. Use recommended vacuum (section 6.3) or wet methods.

10.5 Incompatible materials

None

10.6 Hazardous decomposition products

This material will not decompose to form hazardous products.

11. TOXICOLOGICAL INFORMATION – N/A

12. ECOLOGICAL INFORMATION – N/A

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal	Reuse where possible. Measures should be taken to prevent dust generation during disposal. Personal precautions should be observed (section 8.2)
Legislation	Dispose of in accordance with statutory authorities' requirements or relevant local legislations.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE AUSTALIAN CODE FOR TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.

14.1 Environmental hazards

Not a marine pollutant

14.2 Special precautions for user

Cartage truck and trailers are used to deliver the products, loads must be covered throughout transit. Moisture content should be constrained in order to prevent leakage from tailgates.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture

Poison schedule	A poison schedule number has not been allocated to this product.
Classifications	Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).
Reference	Victorian OHS Act and Regulations and associated Compliance Codes & Australian Standards.

16. OTHER INFORMATION

Additional information

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to

prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Further information

Contact **Quarry Laboratory**

Phone (03) 5352 2660

Abbreviations

CAS # - Chemical Abstract Service number - used to uniquely identify chemical compounds.
EC # - Enzyme Commission number - a numerical classification scheme for enzymes.
GHS - Globally Harmonized System
pH - Relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm - Parts Per Million
SWA - Safe Work Australia
TWA - Time Weighted Average

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