SAFETY DATA SHEET
BUILDING/QUARRY SANDS

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1. Product Identifier

Product Name Building/Quarry Sands

Synonyms Brickies Sand, Concrete Sand, Plastering Sand, White Sand, Kiln Dried Sand, Washed Sand

1.2. Uses and uses advised against

Uses Construction material. Sand.

1.3. Details of the supplier of the product

Supplier Name	WEST BUILD PRODUCTS PTY LTD
Address	67 Hartman Drive, Wangara, WA 6065 AUSTRALIA
Telephone	08 9309 2029
Fax	08 9302 1129
Email	technical@westbuildgroup.com
Website	www.westbuildgroup.com

1.4. Emergency telephone numbers

Emergency	0408 004 184

2. HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

The hazard information provided in this Safety Data Sheet applies to the dust on the product or that is created when the product is processed, some of which may be respirable (particles small enough to go into parts of the lung when breathed in). The dust may also contain a proportion of crystalline silica.

GHS Classifications Specific Target Organ Toxicity (Repeated Exposure): Category 2

2.2. GHS Label Elements

Signal Word **WARNING**

Pictograms

Hazard Statements

H373 May cause damage to organs through prolonged or repeated exposure. (Applies to dust.)

Prevention Statements

P260 Do not breathe dust.

Response Statements

P314 Get medical advice/attention if you feel unwell.

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.

Storage Statements

P402 + P404 Store in a dry place. Store in a closed container.

Disposal Statements

P501 Dispose of contents/container in accordance with relevant regulations.

2.3. Other Hazards

The solid product as supplied is classified as non-hazardous.

Dust in/on the supplied product or created when the product is cut, abraded, or crushed may contain crystalline silica, some of which may be respirable (particles small enough to go into the deep parts of the lung when breathed in). A proportion of the fine dust in/on the supplied product may be respirable Crystalline Silica.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances / Mixtures

Ingredient	CAS Number	EC Number	Content / Proportion
QUARTZ (CRYSTALLINE SILICA) (SAND)	14808-60-7	238-878-4	100%

Ingredient Notes: 1. Depending upon the source material, may contain varying amounts of respirable quartz (crystalline silica).

4. FIRST AID MEASURES

4.1. Description of First Aid Measures

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Have a qualified person give oxygen through a face mask if breathing is difficult. Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove heavily contaminated clothing. Wash skin thoroughly with water. Use a mild soap if available. Shower if necessary. Seek medical attention for persistent redness, irritation or burning of the skin.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.

First Aid Facilities Eye wash facilities should be available.

4.2. Most important symptoms and effects, both acute and delayed

Irritating to the eyes, skin and respiratory system. Chronic over exposure to silica quartz dust may result in silicosis (lung disease). Principal symptoms of silicosis are coughing and breathlessness. Crystalline silica is classified as carcinogenic to humans (IARC Group 1).

4.3. Immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

No fire or explosion hazard exists.

5.4. Hazchem Code

None allocated.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2. Environmental precautions

Prevent product from entering drains and waterways.

6.3. Methods of cleaning up

Dust is best cleaned up by vacuum device to avoid making dust airborne. Wetting down before sweeping up dust may be a useful control measure. Contain spillage, then collect and place in suitable containers for reuse or disposal. Avoid generating dust.

6.4. Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from moisture, incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

7.3. Specific end uses

No information provided.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m³	ppm	mg/m³
Quartz (respirable dust)	SWA (AUS)	--	0.05	--	--

Biological limits No biological limit values have been entered for this product.

8.2. Exposure controls

Engineering controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard. Wet where possible.

PPE

Eye / Face Wear safety glasses or dust-proof goggles when handling the material. (Contact lenses pose a hazard.) Eyewash unit should be present to flush eyes in the event of contamination.

Hands Wear PVC or rubber or cotton gloves.

Body When using large quantities or where heavy contamination is likely, wear long sleeved shirt and full length trousers, or coveralls.

Respiratory Where an inhalation risk exists, wear a Class P1 (Particulate) respirator, dependent on site specific risk assessment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	COLOURED GRANULAR SOLID
Odour	ODOURLESS
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	7 (Approximately)
Vapour density	NOT AVAILABLE
Specific gravity	2.0 to 3.0
Solubility (water)	INSOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT EXPLOSIVE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

10. STABILITY AND REACTIVITY

10.1. Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

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

Dust generation.

10.5. Incompatible materials

Incompatible with strong acids (e.g. hydrochloric acid).

10.6. Hazardous decomposition products

May evolve silicon oxides if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	No known toxicity data is available for this product. Based on available data, the classification criteria are not met. This product is expected to be of low acute toxicity. Under normal conditions of use, adverse health effects are not anticipated.
Skin	Contact may result in mechanical irritation, redness, rash and dermatitis.
Eye	Contact may result in mechanical irritation, lacrimation, pain, and redness.
Inhalation	Dust is irritating to upper respiratory tract and lungs. Over exposure to respirable dust may cause coughing, wheezing and irritation to the nasal passages.

Ingestion	Due to product form and application, ingestion is considered unlikely. Mildy abrasive to the mouth and throat if swallowed.
Sensitisation	Not classified as causing respiratory sensitisation.
Mutagenicity	Insufficient data available to classify as a mutagen.
Carcinogenicity	Dust in/on the supplied product or created when the product is cut,abraded or crushed may contain trace amounts of 'respirable' crystalline silica which is classified as carcinogenic to humans (IARC Group 1). However, there is sufficient information to conclude that the relative risk of lung cancer from exposure to crystalline silica is increased in persons with silicosis. Therefore, preventing the onset of silicosis will also reduce the cancer risk.
Reproductive	Insufficient data available to classify as a reproductive toxin.
STOT – single exposure	Not classified as causing organ damage from single exposure.
STOT – repeated exposure	Not classified as causing organ damage from repeated exposure. Repeated exposure to Crystalline Silica may cause lung fibrosis (silicosis), however due to the low levels of respirable crystalline silica in this product, adverse health effects are not anticipated with normal use.
Aspiration	This product is a solid and aspiration hazards are not expected to occur.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

The main component/s of this product are not anticipated to cause any adverse effects to the environment.

12.2. Persistence and degradability

Product is persistent and non-degradable.

12.3. Bioaccumulative potential

This product is not expected to bioaccumulate.

12.4. Mobility in soil

Low mobility would be expected in a landfill situation.

12.5. Other adverse effects

Avoid contamination of drains and waterways.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste disposal	Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required).
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1. UN Number	None allocated.	None allocated.	None allocated.
14.2. Proper Shipping Name	None allocated.	None allocated.	None allocated.
14.3. Transport Hazard Class	None allocated.	None allocated.	None allocated.
14.4. Packing Group	None allocated.	None allocated.	None allocated.

14.5. Environmental hazards

No information provided.

14.6. Special precautions for user

Hazchem code None allocated.

15. REGULATORY INFORMATION

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

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

Hazard codes None allocated.

Risk phrases

R20	Harmful by Inhalation (Applies to dust)

Safety phrases

S22	Do not breathe dust.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/S37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Inventory listings **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**
All components are listed on AICS, or are exempt.

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.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (highly acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)

SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

Report status

This document has been compiled by West Build Products Pty Ltd and serves as a Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to West Build Products Pty Ltd by our suppliers or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While West Build Products Pty Ltd has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, West Build Products Pty Ltd accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

Prepared by

WEST BUILD PRODUCTS PTY LTD
67 Hartman Drive
Wangara, Western Australia 6065
Phone: +61 8 9309 2029
Fax: +61 8 9302 1129
Email: technical@westbuildgroup.com
Web: www.westbuildgroup.com

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