

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1. Product Identifier

Product Name	Blue Metal Stone
Synonyms	2mm Stone, 14mm Stone, Metal Pak, Cracker Dust, Blue Metal Dust, Cracker Dust Handy Pak, Cracker 2mm Fine Dust, 2mm Blue Metal Dust, 14mm Blue Metal

1.2. Uses and uses advised against

Uses	Building and construction for industrial, commercial and home use, including general handyman projects, gardens, footpaths and landscaping. 2mm Stone provides a hard base and is ideal for use under synthetic lawn and paving. 14mm Stone can be mixed with sand and cement to form a concrete mix.
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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
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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	Skin Corrosion/Irritation: Category 2 Serious Eye Damage / Eye Irritation: Category 2A Specific Target Organ Toxicity (Single Exposure): Category 3
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2.2. GHS Label Elements

Signal Word **WARNING**

Pictograms



Hazard Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure. (Applies to dust.)

Prevention Statements

P260	Do not breathe dust.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements

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.
P310	Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment is advised - see first aid instructions.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before re-use.

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

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)	14808-60-7	238-878-4	<5%
CRUSHED STONE, BLUE METAL, GRAVEL	--	--	0-100%

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. Seek medical attention. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
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**
Before use carefully read the product label. 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/m ³	ppm	mg/m ³
Quartz (respirable dust)	SWA (AUS)	--	0.1	--	--

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 dust-proof goggles. (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 coveralls.
Respiratory	Where an inhalation risk exists, wear a Class P1 (Particulate) respirator. At high dust levels, wear a Powered Air Purifying Respirator (PAPR) with Class P3 (Particulate) filter or a Class P3 (Particulate) respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	GREY COLOURED STONE FRAGMENTS
Odour	NONE
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	NOT AVAILABLE
Vapour density	NOT AVAILABLE
Specific gravity	NOT AVAILABLE
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

No known conditions to avoid.

10.5. Incompatible materials

Compatible with most commonly used materials.

10.6. Hazardous decomposition products

May evolve silicon oxides if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin	Irritating to the skin. Contact with dust may result in irritation, redness, rash and dermatitis.
Eye	Causes serious eye damage. Contact with dust 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. Mildly 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	This product 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	Irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in breathing difficulties.
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; however, limited ecological toxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment and aquatic waterways.

12.2. Persistence and degradability

No information provided.

12.3. Bioaccumulative potential

This product is not expected to bioaccumulate.

12.4. Mobility in soil

The product compacts to a solid immobile substance. The product is not volatile but may be spread by dust-raising handling.

12.5. Other adverse effects

No information provided.

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. <u>UN Number</u>	None allocated.	None allocated.	None allocated.
14.2. <u>Proper Shipping Name</u>	None allocated.	None allocated.	None allocated.
14.3. <u>Transport Hazard Class</u>	None allocated.	None allocated.	None allocated.
14.4. <u>Packing Group</u>	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 Xi Irritant

Risk phrases R20 Harmful by Inhalation (Applies to dust)
R36/37/38 Irritating to eyes, respiratory system and skin.
R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.
(Applied to dust.)
R49 May cause cancer by inhalation.

Safety phrases S22 Do not breathe dust.
S24/25 Avoid contact with skin and 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 **RESPIRATORS:** In general, the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

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/m ³	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.

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