

MATERIAL SAFETY DATA SHEET

MSDS DATE: 29/10/19

Sand**SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Sand and Gravel
SYNONYMS: nil

PRODUCT CODES: None allocated

MANUFACTURER: Austone Pty Ltd
DIVISION:
ADDRESS: 131 Barnett's Rd, GUMMA NSW 2447

EMERGENCY PHONE: 0428 616 310
OTHER CALLS: 02 6568 1963
EMAIL: austoneptyltd1@bigpond.com

CHEMICAL NAME: Silica (Quartz)

PRODUCT USE: Can be used in cement products, filter sand, fill and paving applications

PREPARED BY: Douglas Partners Pty Ltd

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Silica (Quartz)
 Trace Minerals and rock fragments not classified as hazardous

<u>CAS NO</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
14808-6-7	70-100%	NA	

SECTION 3: HAZARDOUS IDENTIFICATION**EMERGENCY OVERVIEW:**

ROUTES OF ENTRY: Inhalation, contact with eyes and skin

POTENTIAL HEALTH EFFECTS**ACUTE HEALTH HAZARDS:**

EYES: Irritant and abrasive to the eye

SKIN: No Irritant

INGESTION: not applicable

INHALATION: Irritant to nose and throat

CHRONIC HEALTH HAZARDS: Prolonged and repeated inhalation of respirable silica may result in Silicosis Crystalline quartz is listed as a suspected human carcinogen (IARC Group 2A)

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None identified

CARCINOGENICITY

OSHA: **ACGIH:** **NTP:** **IARC: Group 2A** **other:**

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SECTION 4: FIRST AID MEASURES

EYES: Flush with water for 15 minutes. Seek medical attention if irritation persists

SKIN: Wash off with water

INGESTION: Give a glass of water to drink, do not induce vomiting.

INHALATION: Leave the area and if symptoms persist seek medical attention

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

No special first aid other than basic regulatory first aid kit applicable to the workplace
Treat symptomatically
Pulmonary function and lung X-rays are recommended for long term workers

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not Applicable
(% BY VOLUME) LOWER: Not Applicable

FLASH POINT: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

NFPA HAZARD CLASSIFICATION

HEALTH: Unknown

FLAMMABILITY: Unknown

REACTIVITY: Unknown

HMS HAZARD CLASSIFICATION

HEALTH: Unknown

FLAMMABILITY: Unknown

REACTIVITY: Unknown

EXTINGUISHING MEDIA: Not Applicable

SPECIAL FIRE FIGHTING PROCEDURES: Not Applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not Applicable

HAZARDOUS DECOMPOSITION PRODUCTS: Not Applicable

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Scoop up and place in a waste bin. For large spills scoop up and place in a clean container. Sweep up residues. Dampen with water to minimize the exposure to dust.

Disposal: reuse if uncontaminated. If contaminated dispose of in accordance with the waste disposal regulations

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a dry place

OTHER PRECAUTIONS:

SECTION 7 NOTES:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Material handling equipment should be designed to minimize dust generation and where this is not possible, dust extraction equipment should be installed

VENTILATION : Keep area well ventilated when handling large quantities

RESPIRATORY PROTECTION: half face disposable respirator Type P1 particulate complying with AS1715/16

EYE PROTECTION: Safety glasses or goggles

SKIN PROTECTION: general purpose leather or PVC/cotton gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Avoid generation of dust, Avoid eye contact and inhalation of dust

EXPOSURE GUIDELINES: Worksafe National Exposure Standard – Silica-crystalline (as respirable Quartz) TWA 0.1mg/m³

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: particulate sand and gravel

ODOR: Nil

PHYSICAL STATE: Solid

pH AS SUPPLIED: 7

BOILING POINT: Not Applicable

MELTING POINT: Not Applicable

FREEZING POINT: Not Applicable

VAPOR PRESSURE (mmHg): Not Applicable

VAPOR DENSITY (AIR = 1): Not Applicable

SPECIFIC GRAVITY (H₂O = 1): 2.6

EVAPORATION RATE: Not Applicable

SOLUBILITY IN WATER: Nil

PERCENT SOLIDS BY WEIGHT: 99%

PERCENT VOLATILE: Not available
BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): Not available

WITH WATER: LBS/GAL
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: Not available
VISCOSITY: Not available

SECTION 9 NOTES:

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SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): NI

INCOMPATIBILITY (MATERIAL TO AVOID): Hydrofluoric acid

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NI

HAZARDOUS POLYMERIZATION: NI

CONDITIONS TO AVOID (POLYMERIZATION): NI

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NI

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NI

SECTION 12 NOTES

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Scoop up and place in a waste bin. For large spills scoop up and place in a clean container. Sweep up residues. Dampen with water to minimize the exposure to dust.

RCRA HAZARD CLASS: NA

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

Not regulated for shipping

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

STATE REGULATIONS: NA

INTERNATIONAL REGULATIONS: NA

SECTION 15 NOTES:

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SECTION 16: OTHER INFORMATION

OTHER INFORMATION: This product contains crystalline silica as quartz, which has been classified by the IARC as a category 2A-probable human carcinogen. The respirable dust fraction when inhaled over several years has the potential to cause damage to the lungs. Medical examinations such as lung function tests and chest X-rays should be conducted when beginning work and at 1-3 year intervals

PREPARATION INFORMATION:

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