NORVILLE QUARRIES

SDS 01- SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTICATION

PRODUCT	
Product Identifier	Norville Nominees - Quarry Products
Other Means of Identification	Road base, Aggregate, Crushed Rock, Fill, Sand
Recommended Use	Quarry products used in building construction and civil Engineering activities such as road building and rail ballast.
DETAILS OF MANUFACTURER	
Manufacturers Name	Norville Nominees Pty Ltd
Manufacturers ABN	71 067 276 260
Manufacturers Address	11 Provincial Cres, Shepparton VIC 3630
Manufacturers Phone Number	(03) 58 21 17 20 (6.30am – 5.00pm Monday to Friday, Saturdays B.A)
Manufacturers Email	office@norvillequarries.com.au
Manufacturers Website Address	https://www.norvillequarries.com.au
Emergency Phone Number	000 (available in Australia ONLY)
Poisons Information Centre	13 11 26 (available in Australia ONLY)

SECTION 2: HAZARD IDENTIFICATION

HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL, 7TH EDITION (ADG).

CLASSIFICATION OF THE HAZARDOUS CHEMICAL		
GHS Classifications	Skin Sensitization: Category 1 Specific Target Organ Systemic Toxicity (Repeated Exposure): Category 2	
LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS		
Signal Word	WARNING	
Pictograms		
Hazard Statements	H317 H373	May cause an allergic skin reaction. May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation).
Prevention Statements	P260 P272 P280	Do not breathe dust. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Manufacturer/supplier or the competent authority to specify type of equipment.
Response Statements	P352 P313 + P333 P314	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Get medical advice/attention if you feel unwell.

	P363	Wash contaminated clothing before reuse.

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION

The dust associated with quarry products may contain respirable quartz (crystalline silica).

The dust in or on the supplied product or created when the product is processed, abraded, or crushed is therefore classified as Hazardous according to the Australian criteria for the classification of chemicals.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

IDENTITY OF CHEMICAL INGREDIENTS	CAS NUMBER	CONCENTRATION OF INGREDIENTS	COMMENTS
Hard, Durable Materials	68476-25-5 1302-881-1 68515-49-1 1317-60-8	0 – 80%	Feldspar, Cordierite, Opaque Oxide, Hematite
Weak, Soft or Deleterious Minerals	12001-26-2 1318-94-1 14998-27-7	0 – 80%	Biotite Mica, Muscovite, Sericite Mica, Chlorite
Respirable Quartz (Crystalline Silica)	14808-60-7	20 - 40%	The respirable quartz (crystalline silica) content may vary depending upon the source material.

SECTION 4: FIRST AID MEASURES

ROUTE OF EXPOSURE	DESCRIPTION OF NECESSARY FIRST AID MEASURE	SYMPTOMS CAUSED BY EXPOSURE	MEDICAL ATTENTION AND SPECIAL TREATMENT
Ingestion	Rinse mouth and lips with water. Do NOT induce vomiting.	Dryness and/or abrasion of mouth and throat.	If symptoms persist, seek medical attention.
Eye Contact	Flush thoroughly with flowing water to remove all traces. Do NOT attempt to remove solid particles embedded in the eye.	Redness and/or watering of eyes. Aggravation of existing eye condition.	If symptoms persist, seek medical attention.
Skin Contact	Removal of heavily contaminated clothing from the individual is recommended. Wash off skin thoroughly with water.	Redness and/or dryness of skin. Aggravation of existing skin condition.	If symptoms persist, seek medical attention.
Inhalation	Movement of the exposed individual to fresh air is recommended.	Shortness of breath coughing and/or sneezing. Aggravation of existing respiratory condition.	If symptoms persist, seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	No specific extinguishing media is necessary.
Specific Hazards Arising from the Chemical	Non-flammable.

Special Protective Precautions and Equipment for Firefighters	No specific firefighting protection is required.
Hazchem Code	None Allocated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Avoid airborne dust generation. Wear personal protective equipment (PPE) as detailed in Section 8 - *Exposure Controls and Personal Protection* of the SDS. Contact emergency services where necessary.
Environmental Precautions	No specific requirements.
Methods and Materials for Containment and Cleaning Up	When transporting by road, all loads should be covered. Spilled material should be wet down with water to reduce dust generation before clean up. Where spilled material cannot be wet down with water to reduce dust generation, an approved vacuum device should be used. Recommended clean up procedures should also consider disposal considerations under Section 13 – *Disposal Considerations* of the SDS.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling	**Precautions for Safe Handling – General -** Avoid inhalation of dust. If inhalation of dust cannot be avoided wear personal protective equipment (PPE) as listed in Section 8 – *Exposure Controls / Personal Protection* of the SDS. **Precautions for Safe Handling during Repairs / Maintenance** - Avoid breathing dust. Where possible vacuum or wash down all plant and equipment prior to maintenance and repair work. If compressed air cleaning cannot be avoided wear personal protective equipment (PPE) as listed in Section 8 – *Exposure Controls / Personal Protection* of the SDS.
Conditions for Safe Storage, Including Any Incompatibilities	Stockpiles to be no steeper than the natural angle of repose and are to be suppressed with a dust suppressant or by wetting down or covered on windy days. There are no incompatibilities.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Appropriate Engineering Controls	Where an inhalation risk exists: • make product damp before use. • use in a well-ventilated area; and/or • use mechanical ventilation or extraction. If generated dust cannot be avoided, follow personal protective equipment (PPE) recommendations.

Personal Protective Equipment (PPE)	Personal protective equipment (PPE) should be used only when other control measures have been found to be impracticable or in conjunction with one or more control measures. **Eye and face protection** Safety glasses with side shields or safety goggles to be worn. Refer to AS/NZ 1336). **Skin protection** Long sleeves, long pants, boots, and gloves to be worn. Refer to AS/NZ 2161. **Respiratory protection** Dust mask or half face respirator to be worn in dusty conditions. Refer to AS/NZS 1715 and AS/NZS 1716 for selection, use, storage, and maintenance.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid (colour, shape and texture depend upon source of raw material)
Odour	Odorless
Odour Threshold	Not Relevant.
pH	3 - 10
Melting Point/Freezing point	Not Determined
Boiling Point and Boiling Range	Not Determined
Vapour Pressure	Not Determined
Density	2.2 – 2.9 t/m^3
Flash Point	Not Determined
Evaporation Rate	Not Determined
Flammability	Non-Flammable
Solubility	Insoluble
Particle Size	A proportion of the dust may be respirable if it becomes airborne constituting an exposure if inhaled.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	None.
Chemical Stability	Stable.
Conditions to Avoid	Dust generation.
Incompatible Materials and Possibility of Hazardous Reactions	None.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Routes of Exposure	Ingestion - Dryness and/or abrasion of mouth and throat. Eye Contact - Redness and/or watering of eyes. Aggravation of existing eye condition. Skin Contact - Redness and/or dryness of skin. Aggravation of existing skin condition. Inhalation - Shortness of breath coughing and/or sneezing. Aggravation of existing respiratory condition.
Immediate, Delayed and Chronic Health Effects from Exposure	The International Agency for Research on Cancer (IARC) has classified respirable crystalline silica as 'Carcinogenic to humans' (Group 1). Immediate Health Effects Delayed Health Effects Acute / Chronic Health Effects ACUTE HEALTH EFFECTS CHRONIC HEALTH EFFECTS *Eyes* - Dust may cause irritation and inflammation of the eyes and aggravate pre-existing eye conditions.
Immediate, Delayed and Chronic Health Effects from Exposure, Cont.	*Skin* - Repeated heavy contact may cause drying of the skin and may result in dermatitis typically affecting the hands. Over time, this may become chronic and become infected. *Inhaled* - Repeated exposure to dust may result in increased nasal and respiratory secretions and coughing. Inflammation of lining tissue of the respiratory system may follow repeated exposure to elevated levels of dust with increased risk of bronchitis and pneumonia. Long term, occupational over-exposure, or prolonged inhalation of crystalline silica dust at levels above the ES carries the risk of causing serious and irreversible lung disease, including bronchitis and silicosis (scarring of the lung). It may also increase the risk of other irreversible and serious disorders including scleroderma (a disease affecting the skin, joints, blood vessels and internal organs) and other auto-immune disorders.
Exposure Levels	Safe Work Australia Workplace Exposure Standards for Airborne Contaminants, as respirable dust, for Crystalline silica (quartz) is 0.05 mg/m3, eight-hour time weighted average TWA.
Interactive Effects	Medical authorities consider that exposure to the Airborne Contaminants will increase the risk of lung disease due to tobacco smoking. Any pre-existing medical conditions may increase risk, for example, asthma, high blood pressure or a predisposition to allergic reactions.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity	Not Relevant.
Persistence and Degradability	Not Relevant.
Bio-accumulative Potential	Not Relevant.
Mobility in Soil	None.
Other Adverse Effects	No specific adverse effects known.

SECTION 13: DISPOSAL CONSIDERATIONS

Safe Handling and Disposal Methods	Avoid inhalation of dust. If inhalation of dust cannot be avoided, wear personal protective equipment (PPE) as listed in Section 8 – *Exposure Controls / Personal Protection* of the SDS. Crystalline silica itself in all common forms can be treated as a common waste for disposal. Taken or dumped into a landfill site in accordance with local authority guidelines. Measures should be taken to prevent dust generation during disposal and personal precautions should be observed (see above).
Environment Regulations	Dispose of waste quarry materials in accordance with local authority.

SECTION 14: TRANSPORT INFORMATION

UN Number	None Allocated
Proper Shipping Name	None Allocated
Transport Hazard Class	None Allocated
Packing Group	None Allocated
Environmental Hazards	None Allocated
Special Precautions During Transport	None Allocated
Hazchem Code	None Allocated

SECTION 15: REGULATORY INFORMATION

Safety, Health, and Environmental Regulations Specific for the Product in Question	Crystalline silica is classified as non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by road and Rail. Crystalline silica in the form of respirable dust is classified as Hazardous according to the Australian Safety and Compensation Commission ASCC (formerly NOHSV) Approved Criteria for Classifying Hazardous Substances [NOHSC:1008] 3rd Edition. Persons who have potential for exposure above the ES may be required to have periodic health surveillance including Chest X-ray (see relevant State Government Regulations and ASCC/NOHSC documentation). Exposures by inhalation to elevated levels of dust may be regulated under the Hazardous Substances Regulations (state) as they are applicable to Respirable Crystalline Silica, requiring exposure assessment, controls, and health surveillance (ASCC/NOHSC).
Poisons Schedule Number	None Allocated.

SECTION 16: OTHER INFORMATION

Contact	For further information, please contact the Quarry Manager from the relevant site.
Contact details	*PO Box 6052 Shepparton VIC 3630* *03 58 21 17 20*

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END OF SDS