



Aurora Construction Materials Pty Ltd

MATERIAL SAFETY DATA SHEET

Aggregate & Crush Rock Material

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Aggregates and Crushed Rock Material

Other Names: Crushed Rock, Road Base, Aggregate, Blue Metal,

Recommended Use: Aggregate products are used in building and construction projects including road making and concrete.

Company: Aurora Construction Materials Pty Ltd

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SECTION 2: HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS

Criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC) (Approved Criteria for Classifying Hazardous Substances [NOHSC:1008] 3rd Edition).

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

Dust in/on the supplied product or created when the product is abraded or crushed (small enough to reach deep into the lungs when breathed in).

Risk Phrases: R20: Harmful by inhalation (applies to dust)

R48: Danger of serious damage to health by prolonged exposure through inhalation (applies to dust)

Safety Phrases: S22: Do not breathe dust

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name: Proportion (w/w): CAS Number:

Recycled Aggregates

Other Ingredients determined not to be hazardous (balance) Not required

SECTION 4: FIRST AID MEASURES

Swallowed: Rinse mouth and lips with water. Do not induce vomiting. If symptoms persist, seek medical attention.

Eye: Flush thoroughly with flowing water, while holding eyelids open. If symptoms such as irritation or redness persist, seek medical attention.

Skin: Remove heavily contaminated clothing. Wash off skin thoroughly with water. Use a mild soap if available. Shower if necessary. Seek medical attention for persistent irritation of the skin.

Inhaled: Remove to fresh air, away from dusty area. If respiratory irritation occurs, seek immediate medical attention.

First Aid Facilities: Eye wash station and normal wash-room facilities.

Advice to Doctor: Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

Flammability: Not flammable or combustible

Hazards from combustion products: None

Suitable extinguishing media: Not applicable

Special protective precautions and equipment for fire fighters: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills: Dust is best cleaned up by vacuum device to avoid making dust airborne. If spillage is to be swept or shovelled into containers, it should be wetted down with water to reduce dust generation.

Recommendations on exposure control and personal protection should be followed during spill clean-up.



SECTION 7: HANDLING AND STORAGE

Handling: Avoid breathing dust. Respirable dusts can be generated during processing, handling and storage. Use control measures such as ventilation, enclosure of materials, covered loads on trucks, and wetting down material while in use.

Storage: When stockpiling and handling large quantities of Recycled Aggregates, care should be taken to avoid steep faces on the stockpile, which can fall without warning.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: Australian Safety and Compensation Council (ASCC)

National Occupational Exposure Standard (NES)

Total dust (of any type, or particle size): 10 mg/m³ TWA

Dust must be kept to a minimum to ensure respirable dust level remains below NES

Engineering Controls: Avoid generating dust. Any activities which may generate dust must be performed in a well-ventilated space. Mechanical ventilation or local exhaust ventilation must be used if levels of respirable dust approach the NES. If dust generation cannot be avoided, personal respiratory protection is required.

Personal Protective Equipment:

Skin: Ensure a high level of personal hygiene is maintained when using this product.

That is; always wash hands before eating, drinking, smoking or using the toilet.

Wear loose comfortable clothing and gloves (standard duty leather or equivalent compliant to AS/NZS 2161). Remove all contaminated clothing. Wash clothes regularly and separate from other clothes. Do not contaminate the home environment with dusty work clothes and shoes. Do not shake out work clothes before laundering.

Eyes: Safety goggles or spectacles (compliant to AS/NZS 1337) should be worn if exposed to dust.

Respiratory: Where engineering and handling controls are not enough to minimize exposure to total dust, personal respiratory protection must be worn. Respiratory protection used must conform to AS/NZS 1716 and be used in accordance with AS/NZS 1715. An approved particulate “dust mask”, either class P1 or P2, may provide the required minimum protection factor for the ambient dust level in most cases. Where high levels of dust are encountered, more efficient cartridge-type or powered respirators or supplied-air helmets may be necessary. Use only respirators that bear the Australian Standards mark and are fitted and maintained accordingly.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colour range: white/grey to dark blue/grey

Size range: greater than 100mm to dust

Odour: Normally no odour

pH: 4.0 – 10.8

Vapour Pressure: Not determined

Vapour Pressure: Not determined

Boiling Point/Range: Not determined

Freezing/Melting Point: Not determined

Solubility: Insoluble

Density: 1.26 – 1.8 t/m³

Flash Point: Not applicable

Flammability Limits: Not applicable

Ignition Temperature: Not applicable

Particle Size: A *proportion* of the dust may be respirable (below 10µm) and if it becomes airborne constitutes an exposure if inhaled

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Chemically stable



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Conditions to Avoid: Dust generation

Incompatible Materials: None

Hazardous Decomposition Products: None

Hazardous Reactions: None

SECTION 11: TOXICOLOGICAL INFORMATION

Health Effects:

Short Term (Acute) Exposure:

Swallowed: Unlikely to occur under normal conditions of use. Swallowing of dust may cause abdominal discomfort.

Eyes: Dust is irritating to the eyes, causing watering and redness. Exposure to dust may aggravate pre-existing eye conditions.

Skin: Dust may be mildly irritating and abrasive to the skin due to its physical properties.

Inhaled: Dust is mildly irritating to the nose, throat and lungs, resulting in coughing and sneezing. Pre-existing upper respiratory and lung diseases including asthma and bronchitis may be aggravated.

Long Term (Chronic) Exposure:

Eyes: Dust may cause irritation and inflammation of the eyes and aggravate pre-existing eye conditions.

Skin: Repeated heavy contact with dust may cause drying of the skin and can result in a rash (irritant contact dermatitis) typically affecting the hands. Over time this may become chronic and can also become infected.

Inhaled: Repeated exposure to dust may result in increased nasal and respiratory secretions and coughing. High level exposures can increase the risk of bronchitis and pneumonia.

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity: Aggregate products pose no ecological risk. They are non-toxic to aquatic and terrestrial organisms and are biodegradable.

Persistence and Degradability: Quarry products are persistent and are non-degradable.

Mobility: Low mobility would be expected in a landfill situation.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: Aggregate products can be treated as a common waste for disposal or dumped into a landfill site in accordance with local authority guidelines. Measures should be taken to avoid dust generation during disposal and exposure and personal precautions should be observed (see above).

SECTION 14: TRANSPORT INFORMATION

UN Number: None allocated

UN Proper Shipping Name: None allocated

Class and Subsidiary Risk: None allocated

Packing Group: None allocated