

Winstone Aggregates

# Material Safety Data Sheet

## Sand Products



# Sand Products (MSDS)



## PRODUCT INFORMATION

Other names (may include but are not limited to):

### » Sand

No 1 Sand  
Turf Sand No 1  
Pea Metal <4mm  
Filling Sand  
Barge Sand

### » Pumice

No 3 Sand  
Pumice 0-3mm  
Pumic 7mm  
Pum n Gro (7-3mm)

### » Pea Metals

Pea Metal 3-5mm  
Drainage Aggregate 28-8mm

### » Sundry Products

Blended Mix  
Builder's Mix 20  
Filter F2  
Gravel 5mm

### » Construction Sands

Concrete Sand  
Premium Sand  
Mortar Sand  
Filter Sand

### » Recommended use

Concrete, general building, drainage and road construction materials.

## SUPPLIER INFORMATION

Company	Winstone Aggregates (a division of Fletcher Concrete and Infrastructure Ltd)
Address	812 Great South Road, Penrose, Auckland 1546, New Zealand
Telephone number	09-525 9004 (available during business hours of 8am - 5pm)
Facsimile number	09-525 9304
Emergency contact details	09-525 9004 (available during business hours of 8am - 5pm)
After hours	111

## HAZARDS IDENTIFICATION

HSNO	Not classified as a Hazardous Substance according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Dangerous goods	Not a Dangerous Good.
U.N Number	None.

## COMPOSITION

Appearance	Refer list of products.	
Ingredients: Silica – crystalline (quartz)	CAS number: 14808-60-7	Content (%w/w): <50%
Ingredients: Naturally occurring metal oxides		Content (%w/w): <5%
Balance innocuous silicates		

## FIRST AID MEASURES ▾

---

Ingestion	Emergency procedures not normally required, may be a temporary irritant to the gastrointestinal system if excessive quantities are ingested. Seek medical attention if irritation occurs.
Eye contact	Immediately hold eyelids open, check for and remove any contact lenses. Flush eye with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.
Skin contact	Flush with copious quantities of water. Follow good hygiene practices and wash with mild soap and water after each exposure.
Inhalation	Remove person to fresh air. Drink water to clear throat and blow nose to evacuate dust. If coughing and irritation develops – seek medical attention. If not breathing give CPR and seek medical attention immediately.
First aid facilities	Eye wash, soap and water.
Advice to doctor	Treat symptomatically.

## FIRE FIGHTING MEASURES ▾

---

Type of hazard	Not applicable.
Fire hazard properties	Substance is not flammable.
Extinguishing media	Use fire fighting media suitable for surrounding fire.
Recommended protective clothing:	Not applicable.

## STORAGE AND HANDLING ▾

---

Handling	Dust suppression and/or use of covers. No other special handling requirements.
Storage	No special storage requirements apart from dust suppression and/or use of cover.
Packaging	Not Applicable – products are not supplied in packaged form.

## ACCIDENTIAL RELEASE MEASURES ▾

---

Spill cleanup	Wear respiratory protection. Recover for re-use where possible. Avoid contamination of waterways. Material may block drains and waterway. Shovel, sweep or vacuum material into container taking care to minimise dust. Wet down if necessary to control dust.
---------------	--

## EXPOSURE CONTROLS/PERSONAL PROTECTION ∨

---

Exposure standards:	Silica – crystalline (quartz): 0.2mg/m <sup>3</sup> respirable dust (NZ WES - TWA) 0.05mg/m <sup>3</sup> respirable dust (ACGIH TLV)  Dust: 10mg/m <sup>3</sup> inspirable dust (NZ WES – TWA) 3 mg/m <sup>3</sup> respirable dust (NZ WES – TWA)
Engineering controls:	Use water for dust suppression when handling this material. Segregate dust activities. Ensure ventilation is sufficient to maintain air levels below the workplace exposure standards. HEPA filters are recommended where mechanical ventilation is required.
Personal protective equipment:	Respiratory protection should be worn if ambient levels exceed the exposure standard. Recommended respirator selection depends on ambient levels – refer to the OSH guide to respiratory protection. Safety glasses or goggles. Contact lenses should not be worn when handling this material.

## PHYSICAL AND CHEMICAL PROPERTIES ∨

---

Appearance and odour	Varying.
Solubility	Insoluble in water.
Specific gravity	Not available.
Boiling point	Not available.
Freezing point	Not available.
Melting point	Not available.
Flash point	None.

## STABILITY AND REACTIVITY ∨

---

Stability	Product is stable under normal conditions of use.
Conditions to avoid	None.
Material to avoid	None.
Hazardous decomposition products	None.

## ECOLOGICAL INFORMATION ∨

---

General	All ingredients in this product are naturally occurring minerals. Unless contaminated in service, this product is non-hazardous to the environment.
Environmental effects	Potential contamination of waterways. Potential nuisance effects from dust.

## TOXICOLOGICAL INFORMATION

---

General	The health effects of this material are associated with exposure to dust.
<b>Acute Effects</b>	
Ingestion	Non toxic by ingestion. (crystalline silica LD50 Rat Oral >22,500mg/kg)
Eye contact	Exposure to dust may cause eye irritation.
Skin contact	Non-toxic by skin exposure.
Inhalation	Inhalation of dust may cause irritation of the respiratory system.
<b>Chronic Effects</b>	
Acute toxicity/chronic toxicity	Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as Carcinogenic to Humans (Group 1). Prolonged high intensity exposure to crystalline silica dust may cause chronic lung scarring which leads to a massive fibrosis and other respiratory infections. There is an increased risk of impaired health due to a combination of smoking and silica dust exposure.

## DISPOSAL CONSIDERATIONS

---

Disposal information	Where possible, recover material for re-use. No special disposal requirements necessary. Avoid contamination of waterways.
----------------------	--

## TRANSPORT INFORMATION

---

Road and rail	No regulatory transport requirements.
UN number	None.
Dangerous goods class	Not applicable.
Hazchem code	Not applicable.

## REGULATORY STATUS

---

Regulatory status	Not classified as a Hazardous Substance according to the Hazardous Substances (Minimum Degrees of Hazard) Regulation 2001.
-------------------	--

## OTHER INFORMATION

---

For further information call the Environment Manager at Winstone Aggregates on (09-525 9307) during business hours.

The information contained in this Material Safety Data Sheet is provided in good faith and is believed to be correct at the date of issue. However, it is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Winstone Aggregates makes no representation as to the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability whatsoever, whether with respect to negligence or otherwise, for any loss or damage arising from or connection with the supply or use of the information contained in this material Safety Data Sheet.