



SAFETY DATA SHEET

SAND PRODUCTS

100 Bollard Road
Tuakau
New Zealand
Telephone 0800 374 566

Issue date 16 July 2010

Section 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Product name: SAND PRODUCTS

Other names: May include but not be limited to:

Sand

No 1 sand
No 17 sand
10 Mesh sand
Castle sand
Bowling sand
Dune sand
East coast sand
Filter sand
Tennis sand
Traction sand
TUS sand

Pea Metals

Pea metal A
Pea metal B
Pea metal C

Blended products

Builders mix
Builders sand
Plaster sand
Pavejoint sand
Casting sand

CAS number: Unassigned

Recommended uses: Bowling greens, concretes, mortars, plasters, grouts, paints, water filtration, pave jointing, infill, fluid beds, artificial sports turf, locomotive traction, drainage

Company Details: Dricon, Firth Industries.
Address: 100 Bollard Rd., Tuakau.
Telephone Number: 0800 – 374 566
Hours: 8.00 am – 5.00 pm Monday to Friday

Emergency Telephone Number:
(0800) 764-766 24 hours.

National Poisons Centre,
Department of Preventative and Social Medicine,
University of Otago,
P O Box 913,
Dunedin,
New Zealand.

Date of Revision: 16th July 2010

Section 2: HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria in The Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001



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HSNO Approval Number: Not applicable

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Hazard classification: Not applicable

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS number	Content (%w/w)
Silica – crystalline (quartz)	14808-60-7	<50%
Naturally occurring metal oxides	Not known	<5%
Innocuous silicates	Not known	Balance

Section 4: 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:** Flush with copious quantities of water. Follow good hygiene practices and wash with mild soap and water after each exposure.
- Inhaled:** Remove 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

Section 5: FIRE FIGHTING MEASURES

- Type of hazard:** Not classed as flammable
- Fire hazard properties:** Non flammable. No fire or explosion hazard exists
- Regulatory requirements:** Not applicable
- Extinguishing media and methods:** Use fire fighting media for surrounding fire



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Hazchem code for fire: Not applicable
Recommended protective clothing: Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

Spill clean up:

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

Section 7: HANDLING AND STORAGE

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: Ensure packages are labelled, protected from physical damage and sealed when not in use.

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Workplace exposure standards:

Silica – crystalline (quartz):
0.2mg/m³ respirable dust (NZ WES – TWA)
0.05mg/m³ respirable dust (ACGIH TLV)

Dust:
10mg/m³ inspirable dust (NZ WES – TWA)
3 mg/m³ 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.



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Safety glasses or goggles.
Contact lenses should not be worn when handling this material.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Section 10: STABILITY AND REACTIVITY

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

Section 11: TOXICOLOGICAL INFORMATION

General The health effects of this material are associated with exposure to dust, in particular dust containing crystalline silica

ACUTE EFFECTS

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.

CHRONIC EFFECTS

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.

Section 12: ENVIRONMENTAL 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 water ways. Potential nuisance effects from dust.



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Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

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

Section 15: REGULATORY INFORMATION

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

Section 16: OTHER INFORMATION

Additional information None

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