Safety Data Sheet
Sands

Issued March 2025

IDENTIFICATION

Product Name:	**SAND**
Other Names:	ASP, TOM
Supplier:	Industrial Processors Limited
Physical Address:	70 Waitakere Road, Waitakere, Auckland, New Zealand
Phone:	+64 9 810 9627
24 hour Emergency:	+64 27 4755 463
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2 | HAZARDS IDENTIFICATION

Acute – Ingestion:	No adverse effects expected.
Acute – Eye:	Exposure to the dust may cause discomfort due to the particulate nature.
Acute – Skin:	Not expected to be a skin irritant.
Acute – Inhalation:	Potential health effects of inhalation are as follows: Silicosis – Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Lung Cancer – Crystalline silica (quartz) inhaled is classified by IARC as a carcinogen. Tuberculosis – Silicosis increases the risk of Tuberculosis. Autoimmune and Chronic Kidney Disease – Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Non-Malignant Respiratory Diseases (other than Silicosis) – Some studies show an increased incidence in chronic bronchitis and emphysema in workers exposed to respirable crystalline silica.

3 | COMPOSITION / INFO ON INGREDIENTS

Product Use:	Construction, filtration, filler
Description:	Colour, texture and particle shape (smooth to angular) varies widely depending on the source of the raw materials.
Name:	CAS Proportion
Silica (crystalline):	14808-60-7
Quartz:	0.025mg/m3
Cristobalite Quartz:	0.025mg/m3

4 | FIRST AID MEASURES

Ingestion:	Rinse mouth with water - give plenty of water to drink. If vomiting occurs give further water. Seek medical advice.
Eye:	Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Skin:	Wash contaminated skin with plenty of soap and water. If irritation occurs seek medical advice. Remove victim from exposure - avoid becoming a casualty.
Inhalation:	Remove contaminated clothing and loosen remaining clothing. Patient to assume most comfortable position and kept at rest until fully recovered.
Advice to Doctor:	Treat symptomatically.

5 | FIRE FIGHTING MEASURES

Sand is a fully oxidized non-flammable mineral. It is non-combustible

6 | ACCIDENTAL SPILL/RELEASE MEASURES

Use respirators suitable for nuisance dust & eye protection. Sweep up, but avoid generating dust.

INDUSTRIAL PROCESSORS LTD

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7 | HANDLING AND STORAGE

Avoid skin and eye contact when breathing in dust. Not defined as a Dangerous Good. Store in a cool, dry place. Keep containers closed when not in use – check regularly for spills.

8 | EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits:	STEL: mg/m3 ppm TWA: mg/m3ppm. May contain Crystalline silica: 0.1%
Other Exposure Info:	No value assigned for this specific material by the Occupational Health & Safety
Engineering Controls:	Ensure ventilation is adequate to maintain air concentrations below exposure Standard. Avoid generating and inhaling dust. Keep containers closed when not in use.
Protective Equipment:	No specific safety equipment required. Preferable to avoid skin and eye contact and inhalation of dust. Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dust. If dust exists, wear dust mask/respirator meeting the requirements of AS1715 and AS1716. Always wash hands before eating, drinking or using the toilet. Wash contaminated clothing and other PPE before storage or re-use.

9 | PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown Grit.
Form:	Solid
Melting Point:	Approx. 1600c
Boiling Point:	2230C
Vapor Pressure:	Not applicable
Specific Gravity:	1.5
Flash Point:	Not applicable
Flamm. Limit LEL:	Not applicable
Explosion Data:	Not applicable

10 | STABILITY AND REACTIVITY

Stability:	Stable
Incompatibility:	None (reacts with hydrofluoric acid; soluble in HF)
Hazardous Polymerization:	Will not occur
Conditions to avoid:	None

11 | TOXICOLOGICAL INFO

Inhaling crystalline silica-containing dust can aggravate upper respiratory conditions such as asthma or emphysema. Long term exposure to mineral dust which contains crystalline silica can cause the lung disease silicosis. A recent review by the International Agency for Research into Cancer of public literature on the carcinogenic risk of silica and silicates has concluded that there is limited evidence for the carcinogenicity of crystalline silica to humans'.

12 |ECOLOGICAL INFO

Avoid contaminating waterways.

13 |DISPOSAL CONSIDERATIONS

Dispose in bulk or containerised according to local regulations. Normally approved for disposal at approved land waste sites.

14 | TRANSPORT INFO

Not defined as a Dangerous Good

15 | REGULATORY INFO

Based on the information available it is not classified as hazardous.

16 | OTHER INFO

This material safety data sheet and the information contained herein is provided for the sole purpose of enabling persons handling and using the product to do so with safety.
New Zealand National Poisons Centre 24 hour contact number is 0800 764 766

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