

Product Name	SIRA
Other Names	Amorphous Silica
Product Use	Soil Amendment

Hazard Identification – Non Dangerous

Not classified as hazardous according to the criteria of NOHSC

Not classified as hazardous according to the Australian Dangerous Goods Code

Composition, Physical and Chemical Properties, Storage

There is less than 5% quartz present in this product.

Appearance	Off White Chips
Solubility in water	sparsely soluble
Density	700-800 Kg/ m ³
Stability	Stable under normal conditions of use
Reactivity	Hazardous polymerisation will not occur
Corrosiveness	Not corrosive to aluminium
Storage	Store in a cool dry place. Do not store near hydrofluoric acid.

Ingredient	CAS	Proportion
Amorphous Silica (including silicon dioxide, other oxides and moisture).	61790-53-2	95%
Quartz	14808-60-7	<5%
Cristobalite	14464-46-1	0%

The National Occupational Health and Safety Commission in 2004 declared a National Workplace Exposure Standard of 0.1mg/m³ pertaining to dusts containing quartz, cristobalite or trydimite, measured as respirable dust. This amorphous silica has measured levels of < 0.06% quartz in the respirable fraction and 0% cristobalite in the respirable fraction.

Health Hazard Identification

Health Effects - Acute

Swallowed	Material is inert however is highly absorbent and could cause dehydration if large amounts are consumed
Eye	Can cause irritation to eyes
Skin	Can cause irritation to skin
Inhaled	Inhalation can cause irritation to the respiratory tract.

Health Effects - Acute

Not classified as a potential carcinogen.



Health Hazard Information

First Aid

Swallowed	No known adverse effects if ingested in small quantities
Eye	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes holding the eyelid(s) open. Seek medical attention if necessary
Skin	Remove all contaminated clothing and launder before re-use
Inhaled	Do not inhale. If inhaled drink plenty of water and blow nose to evacuate dust
Spills	1. Increase ventilation 2. Dampen spilled material to avoid airborne dust 3. Breathe appropriate respiratory protection
Fire	This product is non-flammable

First Aid Facilities:

Ensure an eye bath and safety shower is available and ready to use.

Advise to Doctors:

May cause irritation if contact occurs - if irritation persists, seek medical attention.

Treat symptomatically based on the judgement of doctor and individual reactions of patient.

Toxicity Data:

Not classified as a potential carcinogen.

Health Hazard Information

Exposure Limits: Amorphous Silica – TWA* 10mg/m³

*The Time Weighed Average (TWA) airborne concentration over an eight-hour working for a five-day working week over an entire working life. According to current knowledge these concentrations should neither impair the health or, nor cause undue discomfort to all workers. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept as low as possible. Exposure standards should not be used as a fine dividing line between safe and dangerous concentrations. They are not a measure of relative toxicity.

Other Information

Organisation/Manufacturer	Location	Contact	Ask For
AGRIPOWER AUSTRALIA LIMITED	Level 22, 88 Phillip St. Sydney NSW 2000	+ 61 2951 8884 peterp@agripower.com.au	Peter Prentice Managing Director

Health Hazard Information

The information given in this data sheet is to the best of our knowledge, true and accurate, but any recommendations or suggestions that may be made are without guarantee, since the conditions of use are beyond our control. The information and recommendations offered are for the user's consideration and is the user's responsibility to satisfy them selves that they are suitable and complete for their purpose. We recommend that the safety and handling information presented in this data sheet be passed on, in an appropriate format, to your customers and handlers.