



Material Safety Data Sheet - MaxSil™

Section 1 – Product Identification

Product Name	MaxSil™
Description	Spherical brown granules, 2-6 mm diameter
Other names	Amorphous Silica, glass oxide
Manufacturers code	MAXG
Product Use	Plant nutrient and soil amendment

Section 2 – Hazard Identification

UN Number	None allocated
DG Class	None allocated
HAZCHEM CODE	None allocated
NOHSC	Not classified as hazardous according to NOHSC criteria
ADGC	Not classified as hazardous according to the Australian Dangerous Goods Code
Work Safe Australia	Non Hazardous according to the criteria of Work Safe Australia

Section 3- Chemical Properties and Composition

MaxSil™ is a complex Calcium Silicate. It is manufactured from the fused oxides of silicon, calcium and sodium carbonate (soda ash). It contains a minimum of 70% silicon. MaxSil™ is completely amorphous (non crystalline).

Storage and transport	Eliminate all possibility of contact with hydrofluoric acid as chemical reaction can produce toxic Silicon Tetrafluoride
Solubility in Water	MaxSil™ is miscible in water
Specific Gravity	1.5
CAS Number	65997-17-3
Flammability	MaxSil™ is non flammable

Section 4 – Spills and Disposal

Spills – Land	Material may be disposed of without specific precautions. With large spills breathing protection should be worn to avoid inhalation of generated dust. Clean up by sweeping and collection of dry material.
Spills – Water	Product should be prevented from entering water collection or drainage systems as large quantities may decrease water quality due to the alkaline nature of the material.

Section 5 – Health Hazard Information

The material will only have health implications from dust generated as a result of friction.

Acute

Inhaled	Can cause Irritation to the respiratory tract. Wear appropriate dust respirator.
Skin	Can cause irritation to the skin. Wear gloves
Eyes	Can cause eye irritation. Wear approved safety glasses
Swallowed	MaxSil™ is inert. Do not ingest
Exposure Limits	Amorphous Silicates TWA 10mg/M ³
Toxicity Data	No data available

Section 6 – First Aid

Swallowed	No known effects if ingested in small quantities
Eyes	Flush the eye with gently flowing water for at least ten minutes. Seek medical advice if considered necessary
Skin	Wash the dust off with soap and water
Inhaled	Do not inhale generated dust. If inhaled rinse the mouth and nose and gently clear throat and nostrils.

Section 7 - Personal Protection

Ensure an eye bath and safety shower is available.

Breathing and eye protection as well as cotton overalls and gloves should be used when decanting material from packaging into applicators and bins. Wash hands before drinking or smoking or eating.

Contact Numbers

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Intellectual Property advice

MaxSil™ is the subject of Patent Applications in a number of countries around the world. Silicon Fertilisers Pty Ltd has been granted patent for this product in the following countries:

Australia	Patent Number 2009301632
New Zealand	Patent Number 590017
South Africa	Patent Number 2011/02044

Disclaimer

1. MaxSil™ is sold by Silicon Fertilisers Pty Ltd (ABN 29 131 954 571) only in accordance with and subject to its General Terms and Conditions of Sale. See our website for details
2. Silicon Fertilisers Pty Ltd shall not be liable for any injury to persons or damage to property or for any consequential loss or damage whatsoever and subject to the provisions of Part V of the Trade Practices Act their liability in respect of defective or faulty products shall be limited to the supply of equivalent goods or the refund of all payments made (under the relevant contract) by the customer to Silicon Fertilisers Pty Ltd.
3. It is the Customer's obligation to ensure that MaxSil™ is not used for any purpose for which it is not suitable.
4. Silicon Fertilisers Pty Ltd has no control over the use, design, manufacture or testing of any blended products which incorporate MaxSil™ or any reaction with any material that is blended with MaxSil™ nor does the company have control over parameters such as other fertiliser inputs, soil quality or weather conditions that may impact on the effectiveness of MaxSil™. Consequentially, the customer is solely responsible for testing MaxSil™ products to establish that they are fit for the purpose intended



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