

## Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 Product Identifier

Product Name Maxisil premium grout  
Synonyms None

### 1.2 Uses and Uses Advised Against

Use(s) A polymer modified cement-based grout specially designed for internal & external wall and floor applications.

### 1.3 Details of the Supplier and the Product

Supplier Name **Maxisil**  
Address 55 Lakewood Blvd Carrum Downs Victoria 3201  
Telephone +61 1300 157 207  
Email info@maxisil.com.au  
Website www.maxisil.com

### 1.4 Emergency Telephone Numbers

Emergency +61 1300 157 207 (8am to 4.30pm Monday to Friday EST)  
Emergency (A/H) 13 11 26 (Poisons Information Centre Australia)  
Emergency (A/H) 0800 764 766 (Poisons Information Centre New Zealand)

## Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**GHS classification(s)** Specific Target Organ Systemic Toxicity -Lungs (Repeated Exposure) - Category 2  
Serious Eye Damage/Eye Irritation - Category 2A  
Skin Corrosion/Irritation - Category 2  
Acute Toxicity – Category 4

### 2.2 Label elements

Signal word **DANGER**

Pictogram(s)



**Hazard statement(s)**

H315 Causes skin Irritation.  
H319 Causes Serious Eye Irritation  
H373 May cause damage to organs through prolonged or repeated Exposure (Lungs)  
H332 Harmful if inhaled.

**Prevention statement(s)**

P260 Do not breathe dust.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection rated for Dust.  
P260+ P261 Avoid/Do not breathe dust. Can become easily airborne.

**Response statement(s)**

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P304 + P340 +P305	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 +P313	
P314 + P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment is advised - see first aid instructions.
P362	Take off contaminated clothing and wash before re-use.

**Storage statement(s)**

P403 + P233	Store in a well-ventilated place. Keep bag tightly closed.
P405	Store locked up.

**Disposal statement(s)**

P501	Dispose of contents/bag in accordance with relevant regulations.
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**2.3 Other hazards**

No information provided.

**Section 3. COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1 Substances / Mixtures**

Ingredients	CAS Number	Content
Silica	14808-60-7	50-60%
Portland Cement	65997-15-1	20% to 40%
Calcium Carbonate	471-34-1	10-20%
Non-hazardous Ingredients	Not Available	Remainder

**Ingredient Notes**

1. Chromium VI is a trace impurity in Portland Cement (< 20 ppm).
2. Depending on the source material, may contain varying amounts of respirable quartz (crystalline silica)

**Section 4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

<b>Eye</b>	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
<b>Inhalation</b>	If inhaled, remove from contaminated area to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water (and soap if available). Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
<b>Ingestion</b>	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
<b>First aid facilities</b>	Eye wash facilities and safety shower should be available.

**4.2 Most important symptoms and effects, both acute and delayed.**

Irritating to the eyes, skin and respiratory system. Dust contains respirable crystalline silica. Chronic over exposure to silica quartz dust may result in silicosis. Principal symptoms of silicosis are coughing and breathlessness. Use safe work practices to avoid dust generation and inhalation. Appropriate monitoring as per Work safe recommendations should be carried out for people regularly exposed to silica. Some individuals may exhibit an allergic response upon exposure to this product, possibly due to the trace amounts of chromium present. Crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1).

**4.3 Immediate medical attention and special treatment needed.**

Treat as for moderate to strong alkali and symptomatically.

## **Section 5. FIRE FIGHTING MEASURES**

### **5.1 Extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

### **5.2 Special hazards arising from the substance or mixture.**

Non-flammable. May evolve toxic gases if strongly heated.

### **5.3 Advice for firefighters**

No fire or explosion hazard exists.

### **5.4 Hazchem code**

None allocated.

## **Section 6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of this SDS. Clear area of all unprotected personnel. Contact emergency services where appropriate.

### **6.2 Environmental precautions**

Prevent product from entering drains and waterways.

### **6.3 Methods of cleaning up.**

Contain spillage, then collect and place in suitable containers for reuse or disposal. Avoid generating dust. If able clean up with a vacuum device to avoid generating dust. Wetting during clean-up is likely to cause this product to set.

### **6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

## **Section 7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation.

Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### **7.2 Conditions for safe storage, including any incompatibilities.**

Store in a cool, dry, well ventilated area, removed from moisture, incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

### **7.3 Specific end use(s)**

No information provided.

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Portland cement	SWA(AUS)	-	10	-	-
Calcium Carbonate	SWA (AUS)	-	10	-	-
Quartz (respirable dust)	SWA (AUS)	-	0.1	-	-

#### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

#### PPE

##### Eye / Face

Wear safety glasses or dust-proof goggles when handling material to avoid contact with eyes.

##### Hands

Wear PVC, rubber or cotton gloves when handling material to prevent skin contact.

##### Body

Wear long sleeved shirt and full-length trousers.

##### Respiratory

Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent on a site-specific risk assessment.



## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Light grey	<b>Solubility (water)</b>	< 10 g/L
<b>Odour</b>	SLIGHT ODOUR	<b>Vapour pressure</b>	NOT AVAILABLE
<b>Flammability</b>	NON-FLAMMABLE	<b>Upper explosion limit</b>	NOT RELEVANT
<b>Flash point</b>	NOT RELEVANT	<b>Lower explosion limit</b>	NOT RELEVANT
<b>Boiling point</b>	NOT AVAILABLE	<b>Partition coefficient</b>	NOT AVAILABLE
<b>Melting point</b>	> 1200°C	<b>Auto ignition temperature</b>	NOT AVAILABLE
<b>Evaporation rate</b>	NOT AVAILABLE	<b>Decomposition temperature</b>	NOT AVAILABLE
<b>pH</b>	11 to 13	<b>Viscosity</b>	NOT AVAILABLE
<b>Vapour density</b>	NOT AVAILABLE	<b>Explosive properties</b>	NOT AVAILABLE
<b>Specific gravity</b>	1.15 kg/l	Oxidising properties	NOT AVAILABLE
		Odour threshold	NOT AVAILABLE

### 9.2 Other information

Density 1150 kg/m<sup>3</sup>

## **Section 10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

### **10.2 Chemical stability**

Stable under recommended conditions of storage.

### **10.3 Possibility of hazardous reactions**

Hazardous polymerization is not expected to occur.

### **10.4 Conditions to avoid.**

Avoid heat, sparks, open flames and other ignition sources.

### **10.5 Incompatible materials**

Incompatible with oxidising agents (e.g., hypochlorite's), ethanol, acids (e.g., hydrofluoric acid) and interhalogens (e.g., chlorine trifluoride). Water contact may increase product temperature 2°C to 3°C.

### **10.6 Hazardous decomposition products**

May evolve toxic gases if heated to decomposition.

## **Section 11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

<b>Acute toxicity</b>	No known toxicity data is available for this product. Based on available data, the classification criteria are not met.
<b>Skin</b>	Irritating to the skin. Contact with powder or wetted form may result in irritation, rash and dermatitis.
<b>Eye</b>	Irritating to the eyes. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.
<b>Sensitization</b>	This product is not classified as a skin or respiratory sensitiser. However, some individuals may exhibit an allergic response upon exposure to cement, possibly due to trace amounts of chromium.
<b>Mutagenicity</b>	Insufficient data available to classify as a mutagen.
<b>Carcinogenicity</b>	This product contains crystalline silica which is classified as carcinogenic to humans (IARC Group 1). There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore, preventing the onset of silicosis will also reduce the cancer risk. Hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1), however due to the trace amounts present, the criterion for classification is not met.
<b>Reproductive</b>	Insufficient data available to classify as a reproductive toxin.
<b>STOT - single exposure</b>	Irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, coughing. Pre-existing upper respiratory and lung diseases including asthma and bronchitis may be aggravated. High level exposure may result in breathing difficulties.
<b>STOT – repeated exposure</b>	Repeated over-exposure to respirable silica may result in pulmonary fibrosis and/or silicosis. Silicosis is a fibronodular lung disease caused deposition in the lungs of fine respirable particles of crystalline silica. Principal symptoms of silicosis are coughing and breathlessness. In the wet state, the likelihood of an inhalation hazard is reduced.
<b>Aspiration</b>	This product is a solid and aspiration hazards are not expected to occur.

## **Section 12. ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

May be harmful to the aquatic environment due to the alkaline nature of the product. This product is non-toxic to aquatic organisms when present as a cured solid.

### **12.2 Persistence and degradability**

Product is persistent and would have a low degradability.

### **12.3 Bio accumulative potential**

This product is not expected to bioaccumulate.

### **12.4 Mobility in soil**

A low mobility would be expected in a landfill situation.

### **12.5 Other adverse effects**

Avoid contamination of drains and waterways.

## **Section 13. DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

**Waste disposal** Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required)

**Legislation** Dispose of in accordance with relevant local legislation.

## **Section 14. TRANSPORTATION INFORMATION**

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	<b>LAND TRANSPORT (ADG)</b>	<b>SEA TRANSPORT (IMDG / IMO)</b>	<b>AIR TRANSPORT (IATA / ICAO)</b>
<b>14.1 UN Number</b>	None Allocated	None Allocated	None Allocated
<b>14.2 Proper Shipping Name</b>	None Allocated	None Allocated	None Allocated
<b>14.3 Transport hazard class</b>	None Allocated	None Allocated	None Allocated
<b>14.4 Packing Group</b>	None Allocated	None Allocated	None Allocated

### **14.5 Environmental hazards**

No information provided.

### **14.6 Special precautions for use**

**Hazchem code** None Allocated.

## **Section 15. REGULATORY INFORMATION**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>Poison schedule</b>	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
<b>Classifications</b>	Safe work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals
<b>Inventory listing(s)</b>	<b>AUSTRALIA:</b> AICS (Australian Inventory of Chemical Substances) All components are listed on AICS or are exempt. The components of this product are not classified as dangerous good.

## **Section 16. OTHER INFORMATION**

### **Additional information**

#### **16.1 PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

#### **16.2 HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

#### **16.3 Abbreviations**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS #</b>	Chemical Abstract Service number - used to uniquely identify chemical compounds.
<b>CNS</b>	Central Nervous System
<b>EC No.</b>	European Community Number
<b>GHS</b>	Globally Harmonized System
<b>IARC</b>	International Agency for Research on Cancer
<b>LC50</b>	Lethal Concentration, 50% / Median Lethal Concentration
<b>LD50</b>	Lethal Dose, 50% / Median Lethal Dose
<b>mg/m<sup>3</sup></b>	Milligrams per Cubic Metre
<b>OEL</b>	Occupational Exposure Limit
<b>pH</b>	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
<b>ppm</b>	Parts Per Million
<b>STEL</b>	Short-Term Exposure Limit
<b>STOT</b>	RE Specific target organ toxicity (repeated exposure)
<b>STOT</b>	SE Specific target organ toxicity (single exposure)
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons SWA Safe Work Australia
<b>TLV</b>	Threshold Limit Value
<b>TWA</b>	Time Weighted Average

#### **16.4 Revision history**

## **16.5 Report status**

This document has been compiled by the manufacturer of the product and serves as their Safety Data Sheet ('SDS'). The information presented herein is based on data considered to be accurate as of the date of preparation of this SDS. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorisation given or implied to practice any patented invention without a licence. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, without a risk assessment for safe use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the products.

This Safety Data Sheet (SDS) applies only to the formulated material as supplied by Maxisil. It does not apply where the formulation has been altered. In this case a new SDS may be required to reflect the modified material. Contact Maxisil for further information.

Printed documents are uncontrolled. Refer to [maxisil.com](http://maxisil.com) regularly for a more recent copy of the SDS where it exists.

**Prepared by**        **Maxisil.**  
55 Lakewood Blvd  
Carrum Downs 3201  
Ph: +61 1300 157 207

Email: [info@maxisil.com.au](mailto:info@maxisil.com.au)  
Website: [maxisil.com](http://maxisil.com)

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