

**Material Safety Data Sheet****MGC FUNGICIDAL SEALANT****1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name</b>	<b>MGC FUNGICIDAL SEALANT</b>
<b>Product code</b>	<b>30085</b>
<b>Company</b>	<b>MOULD GROWTH CONSULTANTS LIMITED</b> McMillan House Worcester Park Surrey KT4 8RH Telephone: 020 8337 0731 Facsimile: 020 8337 3739 Email: <a href="mailto:info@mgcltd.co.uk">info@mgcltd.co.uk</a>

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Main Hazard** Not Hazardous

**3. HAZARD IDENTIFICATION**

**Product description** Acetoxy silicone sealant incorporating a fungicide to prevent mould growth  
White silicone rubber sealant

<b>Hazardous ingredient</b>	<b>Cas No.</b>	<b>% (w/w)</b>	<b>Symbols</b>	<b>R Phrases</b>
Acetoxysilane	Mixture	4	CORROSIVE(C)	R34, R37
Silica (amorphous)	7631-86-9	9		
Iron Oxide	1309-37-1	2		
Titanium dioxide	13463-67-1	2		

**4. FIRST AID**

<b>Contact with skin</b>	Wipe off and flush with water
<b>Contact with Eyes</b>	Flush with water. Obtain medical attention
<b>Ingestion</b>	Treat symptomatically
<b>Inhalation</b>	Remove to fresh air

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**5. FIRE FIGHTING MEASURES**

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<b>Extinguishing Media</b>	Carbon dioxide, foam, dry powder or fine water spray
<b>Special Hazards Product</b>	Silica, carbon dioxide and traces of incompletely burned carbon products. Formaldehyde
<b>Protective Equipment for Fire Fighting</b>	Self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan

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**6. ACCIDENTAL RELEASE MEASURES**

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<b>Personal Precautions Spillages</b>	Avoid skin and eye contact. Do not breathe vapour Scrape up and place in a container fitted with a lid
<b>Environmental Precautions</b>	None established, do not allow large quantities to enter drains

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**7. HANDLING AND STORAGE**

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<b>Handling</b>	Local ventilation is recommended. General ventilation is required. Avoid skin and eye contact. Do not breathe vapour.
<b>Storage</b>	Keep container closed and store away from water or moisture

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**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

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<b>Occupational Exposure Standards</b>	
Acetoxysilane	10 ppm (OES 8hr TWA) 15ppm (OES 15min STEL) as acetic acid
Silica (amorphous)	6mg/m3 (OES 8hr TWA total inhalable dust) 2.4mg/m3 (OES 8hr TWA respirable dust)
Iron Oxide	5mg/m3 (OES 8hr TWA) as Fe 10mg/m3 (OES 15 min STEL) as Fe
Titanium dioxide	10mg/m3 (OES 8hr TWA total inhalable dust) 4mg/m3 (OES 8hr TWA respirable dust)
<b>Control Measures</b>	Exerxise good industrial hygiene practice. Wash hands after use especially before eating, drinking or smoking
<b>Respiratory Protection</b>	An acid vapour mask should be worn if the product is used in large quantities, confined spaces or other situations where the OEL is likely to be approached or exceeded.
<b>Hand Protection</b>	Rubber or plastic gloves should be worn, where repeated or prolonged contact can occur
<b>Eye Protection</b>	Safety glasses should be worn

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**9. PHYSICAL AND CHEMICAL PROPERTIES**


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<b>Form</b>	Paste
<b>Colour</b>	White
<b>Odour</b>	Acetic acid
<b>PH (Value</b>	Not determined
<b>Boiling point</b>	Not determined
<b>Melting point</b>	Not determined
<b>Flash point</b>	Not determined
<b>Flammable Limits</b>	Not determined
<b>Auto Ignition Temperature</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidising Properties</b>	Not determined
<b>Vapour Pressure (mm Hg)</b>	Not determined
<b>Density (g/ml)</b>	Not determined
<b>Solubility (water</b>	Insoluble in water
<b>Solubility (other)</b>	
<b>Specific Gravity</b>	1.04

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**10. STABILITY AND REACTIVITY**


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<b>Stability</b>	Stable under normal conditions
<b>Materials to avoid</b>	Cures in presence of water or moisture, releasing a small amount of acetic acid. Can react to strong oxidising agents
<b>Hazardous Decomposition Products</b>	If this product is heated to >150°C trace quantities of formaldehyde may be released and adequate ventilation is required

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**11. TOXICOLOGICAL INFORMATION**


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<b>Inhalation</b>	Mildly irritating to to the respiratory system
<b>Skin Contact</b>	Can irritate on prolonged or repeated contact
<b>Eye Contact</b>	Vapours released during curing may cause eye irritation
<b>Ingestion</b>	No adverse effects are normally expected
<b>Other Health Hazard Informatio</b>	<p>This product contains a substance which if present as a dust or fume, presents an inhalation risk and is subject to an OEL. This is not relevant to the current physical state of the product which is in respirable form</p> <p>This product may emit formaldehyde vapours at temperatures above &gt;150°C in the presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentrations less than one part per million (1 ppm).</p> <p>Occupational exposure measurement and control within established limits is necessary for applications where formaldehyde may be formed to ensure worker's health and safety.</p> <p>Detailed information concerning current formaldehyde exposure limits can be found in UK HSE EH40 Occupational Exposure Limits</p>
<b>LC50</b>	Not determined
<b>LD50</b>	Not determined

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**12. ECOLOGICAL INFORMATION**

**Environmental Fate and Distribution**

**Air:** this product is a solid consisting of a high molecular weight silicone polymer and other solid materials. Unless milled to produce a dust or particles, it is unlikely to give rise to atmospheric contamination.

**Water:** This product is a solid which is completely insoluble in water. As the specific gravity is >1, it will sink to the bottom of the water course.

**Terrestrial Environment:** This product will enter the terrestrial environment if, as a component of municipal or industrial solid waste the product is landfilled. It is unlikely that further significant transformation of the product will occur.

**Ecotoxicity**

**Toxicity to Bacteria and effect on Effluent Treatment**

This product is a solid rubber type material which is unlikely to have any adverse effect on bacteria.

**Toxicity to Aquatic Organisms**

This product is in an insoluble form and is not considered to present a risk to aquatic organisms

**LC50**

(Fish) (96hrs): Not determined

**EC50**

(Daphnia) (48 hrs): Not determined

**IC50**

(Algal)(72hrs):Not determined

**Toxicity to Terrestrial Organisms**

This product is a solid and does not contain significant concentrations of water soluble constituents that may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms.

**Bioconcentration**

This product is a solid which is not soluble in water if ingested will not be absorbed. Accumulation in the body is therefore not possible

**Persistence and Degradation**

**BOD**

No specific information is available

**COD**

No specific information is available

**Degradation**

High molecular weight polymer which is amenable to recycling. The product is not biodegradable. The product is removed >80% during the sewage treatment process.

**13. DISPOSAL**

**Product Disposal**

Can be land-filled in accordance with local regulations

**Packaging disposal**

Packaging should be disposed of in accordance with regional and/or national regulations

**14. TRANSPORT INFORMATION**

**UN NO.**

Not applicable

**ADR/RID (Rail & Road Transport)**

Not subject to ADR

**IMO (Sea Transport)**

Not subject to IMDG code

**ICAO (Air Transport)**

Not subject to ICAO regulations

**15. REGULATORY INFORMATION**

<b>Hazardous Ingredient</b>	Acetoxysilane Silica (amorphous) Iron oxide
<b>EEC Classification</b>	Titanium dioxide IRRITANT
<b>Hazard Symbol</b>	<b>Xi</b>
<b>Risk Phrases</b>	R36- Irritating to eyes
<b>Safety Phrases</b>	S2 – Keep out of reach of children S24/25 – Avoid contact with skin and eyes S51 – Use only in well ventilated areas

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## 16. OTHER INFORMATION

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The data and advice given apply only when the product is used for the stated applications. The product is not sold as suitable for any other application. Use for other applications may give rise to risks not mentioned here, and advice should be sought from us.

For intended use and applications see the Technical Data Sheet for the product.

If you have purchased the product for supply to a third party for use at work, it is your duty to ensure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees, and others who may be affected, of any hazards described in this sheet and of any precautions which should be taken.

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