Material Safety Data Sheet

MGC FUNGICIDAL SEALANT

IRRITANT

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **MGC FUNGICIDAL SEALANT**

Product code **30085**

Company

MOULD GROWTH CONSULTANTS LIMITED
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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

Hazardous ingredient	Cas No.	% (w/w)	Symbols	R Phrases
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

Contact with skin Wipe off and flush with water

Contact with Eyes Flush with water. Obtain medical attention

Ingestion Treat symptomatically

Inhalation Remove to fresh air

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Standards

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)

Control Measures	Exerxise good industrial hygiene practice. Wash hands after use especially before eating, drinking or smoking
Respiratory Protection	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.
Hand Protection	Rubber or plastic gloves should be worn, where repeated or prolonged contact can occur
Eye Protection	Safety glasses should be worn

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Inhalation	Mildly irritating to to the respiratory system
Skin Contact	Can irritate on prolonged or repeated contact
Eye Contact	Vapours released during curing may cause eye irritation
Ingestion	No adverse effects are normally expected
Other Health Hazard Informatio	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 This product may emit formaldehyde vapours at temperatures above >150ºC in the presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentrations less then one part per million (1 ppm). Occupational exposure measurement and control within established limits is necessary for applications where formaldehyde may be formed to ensure worker's health and safety. Detailed information concerning current formaldehyde exposure limits can be found in UK HSE EH40 Occupational Exposure Limits
LC50	Not determined
LD50	Not determined

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution	**Air**: this product is a solid consisting of a high moleculr 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 inan 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 regiulations

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

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

16. OTHER INFORMATION

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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