

1. IDENTIFICATION OF THE SUBSTANCE/PREPARTION AND THE COMPANY

Product Name:	SwellGel Standard
Company:	Glowcroft Limited Williamsport Way Lion Barn Industrial Estate Needham Market, Suffolk United Kingdom, IP6 8RW
Telephone Number:	0044 (0)1449 723330
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Emergency Telephone Number:	0044 (0)1449 723330
Product Use:	Water Fertiliser-Retainer for Soils and Substrates

2. HAZARDS IDENTIFICATION

When wet, the product renders surfaces extremely slippery. The product swells in water.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Identification:	Superabsorbent polyacrylamide.
Regulated Components:	None.

4. FIRST AID MEASURES

Inhalation:	No hazards which require special first aid measures.
Skin contact:	No hazards which require special first aid measures.
Eye contact:	Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.
Ingestion:	Rinse mouth. Do not induce vomiting. No hazards which require special first aid measures.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water. Water spray. Foam. Carbon Dioxide (CO ₂). Dry powder.
Precautions:	The product swells in water.
Special protective equipment for firefighters:	Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	No special precautions required.
Environmental precautions:	As with all chemical products, do not flush into surface water.
Methods for cleaning up:	Clean up promptly by sweeping or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.

Storage: Keep in a dry place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering measures: Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Dust safety masks recommended where working powder concentration is more than 10mg/m³

Hand protection: Gloves are recommended.

Eye protection: Safety glasses with side-shields. Do not wear contact lenses where this product is used.

Skin and body protection: No special protective equipment required.

Hygiene measures: Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Granular solid

Colour: Off-white to light brown

Melting point/range (°C): Not applicable

Flash point (°C): Not applicable

Autoignition temperature (°C): Not applicable

Approximate bulk density: 0.65 – 0.75

Water solubility: Insoluble

10. STABILITY AND REACTIVITY

Stability: Stable. Hazardous polymerisation does not occur.

Materials to avoid: The product swells in water

Hazardous decomposition products: Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x), Hydrogen cyanide (hydrocyanic acid).

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Oral:	LD50 / oral / rat > 5000mg/kg.
Dermal:	LD50 / dermal / rabbit > 5000mg/kg.
Irritation:	
Skin:	Not irritating.
Eyes:	Moderate eye irritation due to effects all powders have on conjunctivae.
Sensitization:	Not sensitizing.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

Toxicity to fish:	Aquatic toxicity is unlikely due to low solubility.
Toxicity to daphnia:	Aquatic toxicity is unlikely due to low solubility.
Toxicity to algae:	Aquatic toxicity is unlikely due to low solubility.

ENVIRONMENTAL FATE:

Persistence and degradability:	Not readily biodegradable.
Hydrolysis:	Does not hydrolyse.
Bioaccumulation:	Does not bioaccumulate.
LogPow:	Insoluble.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	In accordance with local and national regulations.
Contaminated packaging:	Can be landfilled or incinerated, when in compliance with local and national regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Classification and Labelling:	This product is not classified as dangerous and need not be labelled according to EC Directives as amended.
European Union (REACH):	All components of this product have been registered or pre-registered with the European Chemicals Agency or are exempt from registration.

16. OTHER INFORMATION

Further information:

This MSDS was prepared in accordance with the following:

Regulation (EC) No. 1907/2006

Regulation (EC) No. 1272/2008

Directive 67/548/ EEC

Directive 1999/45/EC

as amended.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.