

## SAFETY DATA SHEET

**Prepared on Commission Regulation (EU) no. 453/2010**

1. Identification of the substance/mixture and of the company/undertaking			
<b>Product/substance name</b>	Aquafix Reg no. M16		<b>Revision Date:</b> 23/01/2024 <b>Publish Date:</b> 23/01/2024
<b>Product/substance name</b>	<b>CAS Number</b>	<b>EINECS Number</b>	<b>Index Number</b>
Water retention granular	25608-12-2	-	-
<b>Supplier</b>	Summit Enterprise Co. Ltd No 63 Haier Road, Qingdao, China  TEL: +86 532 8360 9279 FAX: +86 532 8577 8772		
<b>Regd. Office:</b>	Ecoguard Biosciences (Pty) Ltd Johannesburg Epsom Downs Office Park 13 Sloane Street, Bryanston 2194  EMERGENCY CONTACT Tel: (+27) 11 463 6057		
<b>Emergency telephone number</b>	Transport accident:	086 100 0366	
	Treatment for poisoning cases:	082 446 8946	

## 2. Hazards identification

**AQUAFIX** is not classified as hazardous according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Read the label carefully and follow all instructions.

**Note:** The product when wet renders surfaces extremely slippery.  
The Product swells in water.

This material should be handled in accordance with good industrial hygiene and safety practices.

<b>Other Hazards</b>	No information available
----------------------	--------------------------

### 3. Composition/information on ingredients

<u>Chemical name</u>	<u>CAS-No.</u>	<u>Weight%</u>	<u>GHS Classification</u>
Acrylamide/potassium acrylate copolymer, crosslinked	25608-12-2	100%	Not classified as hazardous

### 4. First aid measures

<b>General advice</b>	No hazards which require special first aid measures.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.
<b>Skin contact</b>	No hazards which require special first aid measures.
<b>Ingestion</b>	The product is not considered toxic based on studies on laboratory animals.
<b>Inhalation</b>	No hazards which require special first aid measures.
<b>Medical Advice</b>	No hazards which require special first aid measures.

### 5. Firefighting measures

<b><u>Extinguishing media</u></b>	
<b>Suitable extinguishing media</b>	Water, water spray, foam, carbon dioxide (CO <sub>2</sub> ), dry powder.
<b>Fire extinguishing agents to avoid</b>	None
<b><u>Advice for firefighters</u></b>	
The product when wet renders surfaces extremely slippery.	
The product swells in water.	
No special protective measures against fire required.	

Email: [ecoinfo@ecoguard.co.za](mailto:ecoinfo@ecoguard.co.za)

Managing Director: R D Forsyth-Thompson

Reg. 1988/01616/0

Material Name: Aquafix Issue date: 2024 Version 1 GHS SDS

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Spilled material may make surfaces slippery.
<b>Environmental precautions</b>	Protect drains from potential spills to minimise contamination. Do not wash product into drainage system. In the case of spillage on water, the product will emulsify, and recovery may be difficult.
<b>Methods and materials for containment and cleaning up</b>	
Clean up promptly by scoop or vacuum.	
Keep in suitable and closed containers for disposal.	
After cleaning, flush away traces with water.	
Small spills:	Contain and recover spilled material using either a scoop or vacuum.
Large spills:	Contact Ecoguard Biosciences for clean-up assistance.

## 7. Handling and storage

### Precautions for safe handling

<b>Advice on safe handling</b>	Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.
<b>General Hygiene Considerations</b>	Keep out of reach of children. Do not get in eyes. Do not swallow.
<b>Storage</b>	Keep in a dry, cool place (0-35°C).

Email: [ecoinfo@ecoguard.co.za](mailto:ecoinfo@ecoguard.co.za)

Managing Director: R D Forsyth-Thompson

Reg. 1988/01616/0

Material Name: Aquafix Issue date: 2024 Version 1 GHS SDS

## 8. Exposure controls/personal protection

### National occupational exposure limits

There is no appropriate occupational exposure limit for this material.

**Engineering controls**      Dust safety masks are recommended where concentration of total dust is more than 10 mg/m<sup>3</sup>.

### Personal protective equipment

**Eye/face protection**      Safety glasses with side-shields. Do not wear contact lenses.

**Hand Protection**      Gloves are recommended.

**Skin Protection**      No special protective clothing required.

**Respiratory Protection**      Dust safety masks are recommended where concentration of total dust is more than 10 mg/m<sup>3</sup>.

### General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## 9. Physical and chemical properties

### Physical and Chemical Properties

<u>Property</u>	<u>Values</u>	<u>Methods</u>	<u>Remarks</u>
<b>Appearance</b>			
Physical state	: Granular solid		
Color	: Slight Yellow		
Odor	: None		
<b>Odor threshold</b>	: Not applicable		
<b>pH</b>	: Not applicable		
<b>Melting point/freezing point (°C)</b>	: Not applicable		
<b>Boiling point/boiling range (°C)</b>	: Not applicable		
<b>Flash point (°C)</b>	: Not applicable		
<b>Pour point (°C)</b>	: Not applicable		
<b>Evaporation rate</b>	: Not applicable		
<b>Flammability (solid, gas)</b>	: Not applicable		
<b>Upper/lower flammability or explosive limits</b>	: Not applicable		
<b>Vapor pressure (kPa)</b>	: Not applicable		
<b>Vapor density</b>	: Not applicable		
<b>Relative density @ 20°C</b>	: Not applicable		
<b>Solubility(ies) (mg/l)</b>	: Insoluble in water.		

Email: [ecoinfo@ecoguard.co.za](mailto:ecoinfo@ecoguard.co.za)

Managing Director: R D Forsyth-Thompson

Reg. 1988/01616/0

Material Name: Aquafix Issue date: 2024 Version 1 GHS SDS

<b>Partition Coefficient (n-octanol/water) Log Pow:</b>	:	Not applicable
<b>Autoignition temperature (°C)</b>	:	Not applicable
<b>Decomposition temperature (°C)</b>	:	Not applicable
<b>Dynamic viscosity (mm<sup>2</sup>/s 40 °C)</b>	:	Not applicable
<b>Kinematic viscosity (mm<sup>2</sup>/s 40 °C)</b>	:	Not applicable
<b>Explosive properties</b>	:	Not applicable
<b>Oxidizing properties</b>	:	Not applicable
<b><u>Other Information</u></b>		
<b>Liquid density (g/cm)</b>	:	Not applicable
<b>Surface tension (g/ml)</b>	:	Not applicable

## 10. Stability and reactivity

<b>Reactivity</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	Stable under recommended storage conditions. See Storage, Section 7.
<b><u>Possibility of Hazardous Reactions</u></b>	
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur. None under normal processing.
<b>Conditions to avoid</b>	No special precautions required.
<b>Incompatible materials</b>	None
<b>Hazardous decomposition products</b>	None

## 11. Toxicological information

<b><u>Acute toxicity</u></b>	<b><u>Values</u></b>	<b><u>Species</u></b>	<b><u>Remarks</u></b>
<b>Oral (LD50 mg/kg)</b>	:	> 5000	Rat
<b>Dermal (LD50 mg/kg)</b>	:	> 2000	Rabbit
<b>Inhalation (LC50 mg/l/4h)</b>	:	Not classified	
<b>Skin corrosion/irritation</b>	:	Not classified	Not irritating.
<b>Serious eye damage/eye irritation</b>	:	Not classified	Moderate eye irritation due to effects all powders have on conjunctivae.
<b>Respiratory/skin sensitization</b>	:	Not classified	

**Chronic toxicity**

<b>Germ cell mutagenicity</b>	: Not classified
<b>Carcinogenicity</b>	: Not classified
<b>Reproductive toxicity</b>	: Not classified
<b>STOT - single exposure</b>	: Not classified
<b>STOT - repeated exposure</b>	: Not classified
<b>Aspiration hazard</b>	: Not classified

**12. Ecological information**

<b>Ecotoxicity</b>	Ecological injures are not know or expected under normal use. Aquatic toxicity is unlikely due to low solubility.
<b>Persistence/degradability</b>	Not readily biodegradable, < 10% after 28 days.

**13. Disposal considerations****Waste treatment methods**

<b>Waste from residues/unused products:</b>	Disposal should be in accordance with applicable regional, national, and local laws and regulations.
<b>Contaminated packaging:</b>	Can be land filed or incinerated, with in compliance with local regulations.
<b>Other Information:</b>	Waste codes should be assigned by the user based on the application for which the product was used.

**14. Transport information**

Not classified as hazardous for transport

**15. Regulatory information**

Not classified as hazardous for supply.

National legislation:

- Regulations For Hazardous Chemical Agents, 2021 as Amended by Notice R 11266 in GG 44366 of 31 March 2021 Republic Of South Africa.
- Occupational Health and Safety Act (Act No. 85 of 1993) as amended.

Email: [ecoinfo@ecoguard.co.za](mailto:ecoinfo@ecoguard.co.za)

Managing Director: R D Forsyth-Thompson

Reg. 1988/01616/0

Material Name: Aquafix Issue date: 2024 Version 1 GHS SDS

· Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act (Act No. 36 of 1947) as amended. Registration No. L6802 Department of Agriculture, Land Reform and Rural Development.

## 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Contact:

Ecoguard Biosciences (Pty) Ltd  
P.O. BOX 98165  
SLOANE PARK  
2152

### Abbreviations and acronyms:

<b>ADR:</b>	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
<b>RID:</b>	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
<b>IMDG:</b>	International Maritime Code for Dangerous Goods
<b>IATA:</b>	International Air Transport Association (IATA)
<b>ICAO:</b>	International Civil Aviation Organization
<b>ICAO-TI:</b>	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
<b>GHS:</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>EINECS:</b>	European Inventory of Existing Commercial Chemical Substances
<b>CAS:</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>LC50:</b>	Lethal concentration, 50 percent
<b>LD50:</b>	Lethal dose, 50 percent

This Safety Data Sheet (SDS) complies with basic South African and EU regulatory requirements for SDS on the date of publication and is intended for translation and adaptation into European National documents. This document should NOT be relied upon for compliance with the laws and regulations of individual countries without the appropriate local translations and adaptations. It is your responsibility to ensure that any SDS taken or adapted from this system for re-distribution or use complies with all the laws and regulations which apply to any such use or re-distribution.

Email: [ecoinfo@ecoguard.co.za](mailto:ecoinfo@ecoguard.co.za)

Managing Director: R D Forsyth-Thompson

Reg. 1988/01616/0

Material Name: Aquafix Issue date: 2024 Version 1 GHS SDS