



Material Safety Data Sheet
(WATER RETENTION GRANULAR)

SUPERB ABSORPTION POLYMERS

CAS CODE: 31212-13-2

1. Identification of the product and the company

Supplier: Ecoguard Distributors (Pty) Ltd.
1st Floor Lincoln House
Epsom Downs Office Park
13 Sloane Street, Bryanston
P O Box 98634, Sloane Park 2152
Tel: 011 463-6057 | Fax 011 463-6462

2. Composition/Information on Ingredients

Identification of the preparation: Acrylamide/potassium acrylate copolymer, crosslinked

3. Hazards Identification

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

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: The product is not considered toxic based on studies
on laboratory animals.

5. Fire-Fighting Measures

Suitable extinguishing media: Water, water spray, foam, carbon dioxide (C)2, dry powder
Fire extinguishing agents to avoid: None
Special fire-fighting precautions: The product when wet renders surfaces extremely slippery.
The product swells in water.
Protective equipment for firefighters: No special protective measures against fire required.



6. Accidental Release Measures

Personal precautions:	No special precautions required.
Environmental precautions:	Do not contaminate water.
Methods for cleaning up:	Clean up promptly by scoop 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, cool place (0-35°C).

8. Exposure Controls / Personal Protection

Engineering controls:	Dust safety masks are recommended where concentration of total dust is more than 10 mg/m ³ .
Personal protection equipment	
- Respiratory protection:	Dust safety masks are recommended where concentration of total dust is more than 10 mg/m ³ .
- Hand protection:	Gloves are recommended.
- Eye protection:	Safety glasses with side-shields. Do not wear contact lenses.
- Skin protection:	No special protective clothing 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:	Slight Yellow
Odor:	None
Melting point (°C):	Not applicable
Flash point (°C):	Not applicable
Auto ignition temperature (°C):	Not applicable
Vapor pressure (mm Hg):	Not applicable
Bulk density:	See Technical Bulletin
Water solubility:	Insoluble
Viscosity (mPa s):	See Technical Bulletin



10. Stability and Reactivity

- Stability: Product is stable, No hazardous polymerization will occur.
- Conditions to avoid: No special precautions required.
- Materials to avoid: The product swells in water.

11. Toxicological Information

Acute toxicity

- Oral: Not toxic: LD50/oral/rat > 5000 mg/kg
- Dermal: Not toxic: LD50/dermal/rabbit > 200mg/kg

Irritation

- Skin: Not irritating.
- Eyes: Moderate eye irritation due to effects all powders have on conjunctivae.

Sensitization: Not sensitizing.

12. Ecological Information

Exotoxicity: Ecological injures are not know or expected under normal u
Aquatic toxicity is unlikely due to low solubility.

Persistence / degradability: Not readily biodegradable, < 10% after 28 days.

13. Disposal Considerations

Waste from residues / unused products: In accordance with federal, state, and local regulation

Contaminated packaging: Can be land filed or incinerated, with in compliance v
local regulations.

14. Transport Information

Not regulated by DOT

15. Regulatory Information

All components of this product are on the TSCA and DSL inventories

RCRA status: Not a hazardous waste.

Hazardous waste number: Not applicable

Ecoguard Distributors (Pty) Ltd.

Reg. 1988/01616/07
25 Laurel Road
Merrivale, Howick
P O Box 539, Merrivale , 3291



SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT Product is not a transport hazard. Avoid extremes of temperature, wet, damp or humid conditions.

SPILLS AND DISPOSAL: Granules can be swept up and used or disposed of. If material has been wet and a gel has formed it should be contained with sand or earth. Dispose at a landfill site.

FIRE/EXPLOSION HAZARD: Although product is non-flammable as with many organic powders, flammable dust clouds may be formed. Avoid creating dust and keep away from sources of ignition. If involved in a fire use carbon dioxide, dry powder or foam in preference to water spray.

OTHER INFORMATION: Spilled product can be very slippery if it becomes wet.

The version of the above MSDS is owned by Summit Enterprise Co., Ltd.
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