

MATERIAL SAFETY DATA SHEET

ABSORBER

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product Name: Absorber

Company: Manufactured in the EU for Organix Limited.
eco@organix-agro.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Identification of the preparation: Superabsorbent polyacrylamide.

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 (CO₂), 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.
Special 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 cleanup: 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

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| 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 cool, dry place (0-35 degrees C). |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Engineering Measures to reduce exposure: | Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts. |
| 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 and body 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

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| Form: | Granular solid |
| Colour: | White |
| Odour: | None |
| Melting Point (degree °C): | Not applicable |
| Flash point (degree °C): | Not applicable |
| Autoignition temperature (degree °C): | Not applicable |
| Vapour pressure (mm Hg): | Not applicable |
| Bulk density: | See Technical Bulletin |
| Water solubility: | Insoluble |
| Viscosity (mPa.s): | See Technical Bulletin |

10. STABILITY AND REACTIVITY

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| Stability: | Product is stable, no hazardous polymerization will occur. |
| Conditions to avoid: | No special precautions required. |
| Materials to avoid: | The product swells in water. |
| Hazardous decomposition products: | Thermal decomposition may produce: hydrogen cyanide (hydrocyanic acid), nitrogen oxides (NO _x), carbon oxides. |

11. TOXICOLOGICAL INFORMATION

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| Acute Toxicity - oral: | Not toxic: LD50/oral/rat > 5000 mg/kg |
| - dermal: | Not toxic: LD50/dermal/rat > 2000 mg/kg |
| Irritation - skin: | Not irritating |
| - eyes: | Moderate eye irritation due to effect all powders have on conjunctivae. |
| Sensitization: | Not sensitizing |

12. ECOLOGICAL INFORMATION

Ecotoxicity: Ecological injuries are not known or expected under normal use. 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 local and national regulations.
Contaminated packaging: Can be land filled or incinerated, when in compliance with local regulations.

14. TRANSPORT INFORMATION

Remarks: The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

This product is not a hazardous article and need not be labelled according to EC-Directives as amended.

Inventory status:

EINECS (Europe): Existing polymer according to the definition in the 7th Amendment to Directive 67/548/EEC. All starting materials and additives are listed in EINECS.

TSCA (USA): Complies with all applicable rules or orders under TSCA.

16. OTHER INFORMATION

Further information: 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 guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or 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 materials or in any process unless specified in the text.