



5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons: Carbon dioxide, water jet

Additional information: Avoid whirling up the material/product because of the danger of dust explosion

Special protective equipment: Wear a self-contained breathing apparatus

Further information: Contaminated extinguishing water must be disposed of in accordance with official regulations. The degree of risk is governed by the burning substance and fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Breathing apparatus required

Methods for cleaning up or taking up
For large amounts: Contain with dust binding material and dispose of

7. HANDLING AND STORAGE

Handling

Handle in accordance with good industrial hygiene and safety practice
Breathing must be protected when large quantities are decanted without local exhaust ventilation.
Avoid the formation and deposition of dust.

Protection against fire and explosion:

The relevant fire protection measures should be noted. Take precautionary measures against static discharges. This product contains combustible polymers.

Storage

Further information on storage conditions:
Keep container dry because product takes up the humidity of air

8. EXPOSURE CONTROLS/PERSONAL PROTECTIONComponents with workplace control parameters

A safe working level of 0.05 mg/m³ has been established for respirable superabsorbant polymer dust (<10µm diameter) by the German MAK commission.

Personal protective equipment

- Respiratory protection: Breathing protection if dusts are formed
- Hand protection: Chemical resistant protective gloves (EN 374)
Nitrile gloves (NBR) – 0.4 mm coating thickness.
- Eye protection: Safety glasses with side shields (frame goggles) (EN166)
- General safety and hygiene: Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Form:	powder
	Odour:	odourless
	Colour:	white
	Solubility:	insoluble, only capable of swelling (20 degC)
ph		6.0
Bulk density		approx 700 kg/m ³

10. STABILITY AND REACTIVITY

Hazardous reactions: This product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

LD50/oral/rat:	>2000 mg/kg bodyweight
LD50/dermal/rat:	>2000 mg/kg bodyweight
Primary skin irritation/rabbit:	Non-irritant (OECD Guideline 404)
Primary irritation of the mucous membrane/rabbit:	non-irritant (OECD Guideline 405)
Sensitization:	No sensitizing effect

Further information:

A chronic (2 year) lifetime inhalation study in rats with respirable superabsorbant polymer dust (micronised to <10 um diameter) resulted in a non-specific inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0.8 mg/m³. In the absence of chronic inflammation, tumours are not expected.

Additional information:

The statement was derived from products of similar composition.

12. ECOLOGICAL INFORMATION**Eco-toxicity**

Toxicity to fish:		
OECD Guideline 203 static	<i>Brachydanio rerio</i> /LC50 (96hr):	>100mg/l

Aquatic invertebrates:		
OECD Guideline 202, part 1 static	<i>Daphnia magna</i> /EC50 (48hr):	>100mg/l

Aquatic plants:		
OECD Guideline 201	<i>Desmodesmus subspicatus</i> /EC50 (72hr):	>100mg/l
Nominal concentration		

Micro-organisms/Effect on activated sludge:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Soil living organisms:		
OECD Guideline 207	<i>Eisenia foetida</i> /LC50:	>1000mg/kg

Persistence and degradability

Assessment: The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment pits.

Additional information

Additional remarks on environmental fate and pathway: Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Other eco-toxicological advice: Do not release untreated into natural waters. The eco-toxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

13. DISPOSAL CONSIDERATIONS

Must be dumped or incinerated in accordance with local regulations.

A waste code in accordance with the European Waste Catalogue (EWC) cannot be specified due to dependence on the usage. Observe national and local legal regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

Contaminated packing: Uncontaminated packs can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. TRANSPORT INFORMATION

Directive 96/54/EEC: Not classified as hazardous under transport regulations. (ADR RID ADNR IMDG/GGVSee ICAO/IATA)

15. REGULATORY INFORMATION**Regulations of the European Union (Labeling) / National legislation/regulations**

Directive 1999/45/EEC ("Preparation Directive"):

The product does not require a hazard warning label in accordance with EC Directives.

Other regulations

VDI 2263 "Dust fires and explosions; Danger, Evaluation, Protection measures"

The information fulfills the requirements of Directive 1999/45/EC concerning preparations and the associated requirements for "safety data sheets".

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, "COSHH Essentials" (United Kingdom)

16. OTHER INFORMATION

GENERAL PRECAUTIONS FOR USE

- Sweep up spillages, which may become slippery when wet.
- Do not swallow
- Wash hands and exposed skin before meals and after work
- Store in a dry place away from weed killers and other garden chemicals.
- Keep in original container, tightly closed in a safe place
- Keep away from food and drink and animal feedstuffs
- Keep out of reach of children

Compiled using data submitted for raw materials, specific data and practical experience.

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. Recipients of our products must take responsibility for observing laws and regulations. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein. Westland disclaims any liability for loss or damage resulting from the use of this data, information or suggestions.

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