



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Absorbent Granules

CAS No: 9003-04-7.

EINECS-No.: Polymer.

1.2 Relevant identified uses of the substance or mixture:

Identified uses: Superabsorbent.

1.3 Details of the supplier of the safety data sheet:

Supplier: Contain-ER™ Protection Solutions Ltd
Knoll Business Centre
Old Shoreham Road
Hove
East Sussex
BN3 7GS

Telephone number: 0800 87 999 87

Fax: 0800 87 999 87

Email: info@contain-er.co.uk

1.4 Emergency telephone number: 0800 87 999 87

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Substances: Regulation (EC) No 1272/2008 not applicable. Directive 67/548/EC or Directive 1999/45/EC not applicable.

2.2 Mixtures: Not applicable.

3. HAZARDS IDENTIFICATION

3.1 Classification of the substance or mixture: This substance is not classified as hazardous according to CLP/GHS. Regulation (EC) No 1272/2008 not applicable.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

Skin contact: If irritation occurs, wash with plenty of soap and water.

Eye contact: Rinse for a prolonged period with plenty of water; if necessary, consult a doctor.

Ingestion: If swallowed, drink plenty of water.

Inhalation: Remove individual to fresh air. Free airway. Drink water to clear throat.

4.2 Most important symptoms and effects, both acute and delayed: None known.

4.3 Indication of any immediate medical attention and special treatment needed: In case of swallowing: Drink plenty of water.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media:** Water jet, carbon dioxide, foam, dry extinguishing agents.
- 5.2 Special hazards arising from the substance or mixture:** In case of fire, carbon monoxide, carbon dioxide.
- 5.3 Advice for fire firefighters:** No special requirements.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

See section 8 regarding PPE.

6.2 Environmental precautions:

Collect and flush small residuals with much water into the drain for subsequent biological waste effluent treatment.

6.3 Methods and material for containment and cleaning up:

Sweep up and shovel into suitable containers for disposal. Clean thoroughly. Repeat procedure if necessary.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Use respiratory protection when exceeding limit and dust is formed. Ensure sufficient workplace ventilation.

7.2 Conditions for safe storage, including any incompatibles:

Requirements for storage areas and containers. Store in a dry place. Average temperature for loose bulk storage over 3 m³ must not exceed 50°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Components or products of decomposition according to point 10, with limit values related to the place of work which require monitoring. Sodium polyacrylate, cross-linked. 9003-04-7. MAK (DFG). 0.05 mg/m³. Alveolar fraction. Cat. 4 C - No risk of embryotoxic effects if TLV and BTV limits are complied with. The European Disposables and Non-Wovens Association (EDANA) recommends a workplace limit of 0.05 mg/cbm for respirable dust of superabsorbent polymer (particle size under 10 microns), based on the NOEL (No Observed Effect Level) of the two-year inhalation study (see section 11).

8.2

Hygiene measures.

Respiratory protection.

Hand protection.

Eye protection.

8.3 Engineering measures:

8.4 Personnel protection:

8.5 Emergency:

8.6 Hygiene measures:

Exposure controls:

Obey reasonable safety precautions and practise good housekeeping.

Use respiratory protection when exceeding limit and dust is formed. Ensure sufficient workplace ventilation.

Not required.

Protective goggles.

No data available.

No data available.

No data available.

No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance:	Powder.
9.2	Odour:	Odourless.
9.3	Odour threshold:	No data available.
9.4	pH:	Not applicable.
9.5	Melting point/Freezing point:	Not applicable.
9.6	Initial boiling point and boiling range:	Not applicable.
9.7	Flash point:	No data available.
9.8	Evaporation rate:	No data available.
9.9	Flammability (solid, gas):	Not flammable.
9.10	Upper/lower flammability or explosive limits:	Not flammable.
9.11	Vapour pressure:	< 10 hPa (20 °C)
9.12	Vapour density:	No data available.
9.13	Density:	Approx. 0.7 g/cm ³
9.14	Bulk density:	Approx 570kg/m ³
9.15	Solubility:	Essentially insoluble.
9.16	pH:	Approx. 6.0 (1.0 g/l) in 0.9% NaCl
9.17	Partition coefficient: n-octanol/water:	No data available.
9.18	Auto ignition temperature:	No data available.
9.19	Decomposition temperature:	No data available.
9.20	Viscosity:	Not applicable.
9.21	Explosive properties:	No data available.
9.22	Oxidising properties:	No data available.

10. STABILITY AND REACTIVITY

10.1	Reactivity:	See section 10.2.
10.2	Chemical stability:	Stable under usual application conditions.
10.3	Possibility of hazardous reactions:	Dust explosive properties cannot be excluded.
10.4	Conditions to avoid:	Decomposition above 200 °C.
10.5	Incompatible materials:	No known incompatibility with other materials.
10.6	Hazardous decomposition products:	None known.

11. TOXICOLOGICAL INFORMATION

11.1	Acute oral toxicity:	LD50 rat, Limit test. > 5,000 mg/kg.
11.2	Acute inhalation toxicity:	No data available.
11.3	Acute dermal toxicity:	LD50 rat, Limit test. > 2,000 mg/kg.
11.4	Skin corrosion/irritation:	Rabbit, OECD 404, Not irritative.
11.5	Serious eye damage/irritation:	Rabbit, OECD 405, Very slight eye irritation.
11.6	Respiratory/skin sensitisation:	Guinea pig, OECD 406, No sensitization.
11.7	Germ cell mutagenicity:	No data available.
11.8	Carcinogenicity:	No data available.
11.9	Reproductive toxicity:	No data available.
11.12	Aspiration hazard:	No data available.
11.13	Mutagenicity assessment:	Non-mutagenic; Ames test not mutagenic in vivo and in vitro tests.
11.14	Reprotoxicity / teratogenicity	No evidence for hazardous properties Human health hazard assessment.

12. ECOLOGICAL INFORMATION

12.1		Ecotoxicity
Aquatic toxicity, fish.		LC50 <i>Leuciscus idus</i> , OECD 203, 96 h > 5,500 mg/l. LC50 <i>Danio rerio</i> , OECD 203, 96 h > 4,000 mg/l.
Aquatic toxicity, invertebrates.		EC50 <i>Tetrahymena pyriformis</i> , Erlanger Ciliatentest (Prof. Gräf) > 6,000 mg/l.
Toxicity in microorganisms.		EC50 <i>Ps. putida</i> , DEV L 8, 24 h > 6,000 mg/l.
Toxicity in organisms which live in soil.		LC50 Acute earthworm toxicity <i>Eisenia foetida</i> , OECD 207, 14 d > 20,000 mg/kg.
12.2	Toxicity:	
12.3	Persistence and degradability:	Biodegradability - OECD 302 B practically no degradation.
12.4	Bioaccumulative potential:	Mobility - No evidence for hazardous properties.
12.5	Mobility in soil:	Mobility - No evidence for hazardous properties.
12.6	Results of PBT and vPvB assessment:	PBT and vPvB assessment - PBT: no; vPvB: no
12.7	Other adverse effects:	General Information - None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Product.	Dispose of whilst observing local legal regulations, e.g. in suitable incineration plant.
Uncleaned packaging.	Undamaged packaging may be responsibly reused after proper cleaning.

14. TRANSPORT INFORMATION

14.1	UN number:	Not classified as hazardous for transport.
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15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

National legislation

WGK - Water Hazard Class (Germany) / Wassergefährdungsklasse (Deutschland)

1 (VVWS 1999 , 1 slightly hazardous to water - self classification.)

Status of Registration

REACH (EU) listed or exempted TSCA (USA) listed or exempted DSL (CDN) listed or exempted AICS (AUS) listed or exempted METI (J) listed or exempted ECL (KOR) listed or exempted PICCS (RP) listed or exempted IECSC (CN) listed or exempted

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (SI 2009).

Workplace Exposure Limits EH40.

The Control of Substances Hazardous to Health Regulations 2005.

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation, (EC) No 1907/2006.

Classification, Labelling and Packaging of Substances and Mixtures Regulation, (EC) No 1272/2008.

16. OTHER 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, process, 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.