

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name : Aquasorb 3005 KB

Company : SNF S.A.S.
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Product Use : Water Fertilizer-Retainer for Soils and Substrates

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. Foam. Carbon dioxide (CO₂). Dry powder. Water spray.

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

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : No special precautions required.

Environmental precautions : As with all chemical products, do not flush into surface water.

Methods for cleaning up : Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.
After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Safe handling advice: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe vapours/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 measures : Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Personal protective equipment :

Respiratory protection : Dust safety masks recommended where working powder concentration is more than 10 mg/m³.

Hand protection : Gloves are recommended.

Eye protection : Safety glasses with side-shields. Do not wear contact lenses where this product is used.

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

Form : Granular solid

Colour : White

Flash point : Not applicable

Boiling point (°C) : Not applicable

Autoignition temperature : Not applicable

Vapor pressure: Not applicable

Water solubility : insoluble

Viscosity (mPa.s) : See Technical Bulletin

LogPow : 0

10. STABILITY AND REACTIVITY

Stability : Stable. Hazardous polymerisation does not occur.

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 (CO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral : Not toxic. LD50/oral/rat > 5000 mg/kg.

Skin : Not toxic.

Irritation

Skin : Not irritating.

Eyes : Moderate eye irritation due to effects all powders have on conjunctivae.

Sensitisation : Not sensitizing.

12. ECOLOGICAL INFORMATION

Aquatic toxicity :

Toxicity to fish : Aquatic toxicity is unlikely due to low solubility.

Toxicity to daphnia : Aquatic toxicity is unlikely due to low solubility.

Toxicity to algae : Aquatic toxicity is unlikely due to low solubility.

Environmental fate :

Persistence and degradability : Not readily biodegradable.

Hydrolysis : Does not hydrolyse.

LogPow : 0

Bioaccumulation : Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : In accordance with local and national regulations.

Contaminated packaging : Can be landfilled or incinerated, when in compliance with local regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

This product is not classified as dangerous and need not to be labelled according to EC-Directives as amended.

International Inventories :

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

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

16. OTHER INFORMATION

Further information :

This MSDS was prepared in accordance with the following :

Council Directive 92/32/EEC of 30 April 1992 amending for the seventh time Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances and all subsequent adaptations to technical progress.

Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

Commission Directive 2001/58/EC of 27 July 2001 amending for the second time Directive 91/155/EEC defining and laying down the detailed arrangements for the system of specific information relating to dangerous preparations in implementation of Article 14 of European Parliament and Council Directive 1999/45/EC and relating to dangerous substances in implementation of Article 27 of Council Directive 67/548/EEC (Safety Data Sheets).

ISO 11014-1: Material Safety Data Sheet for Chemical Products.

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 a 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.