SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name:
STOCKOSORB 660 MICRO

REACH Registration No. -

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Soil conditioner

Uses advised against:

1.3 Details of the supplier of the safety data sheet

Company Name	:	Evonik Nutrition & Care GmbH Goldschmidtstr. 100 45127 Essen Germany
Telephone	:	+49 201 173 01
Fax	:	+49 201 173 3000
E-mail	:	productsafety-cs@evonik.com

1.4 Emergency telephone number:

24-Hour Health Emergency	:	+49 2365 49 2232 +49 2365 49 4423 (Fax)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified

2.2 Label Elements Not applicable

2.3 Other hazards Dust explosive properties cannot be excluded. Keep out of the reach of children. Spilt product creates a very slippery surface in combination with water or moisture!

SECTION 3: Composition/information on ingredients

3.1 Substances

General information: Potassium polyacrylate, cross-linked.

REACH Registration No.: -

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Potassium polyacrylate, cross-linked.	>=95%	25608-12-2		-	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
# This substance has workplace exposure limit(s).
This substance is listed as SVHC

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: No data available.

Skin Contact: Gently wash with plenty of soap and water. Change contaminated clothing.

Eye contact: Rinse with plenty of water, seek medical advice if necessary.

Ingestion: If symptoms persist, call a physician.

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

Hazards: No data available.

Treatment: In case of swallowing: Drink plenty of water

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: foam Carbon Dioxide. Dry chemical. Water spray jet

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture: Carbon Monoxide. Carbon Dioxide.

5.3 Advice for firefighters

Special fire fighting procedures: Avoid dust formation. The product itself is not explosive; however, fine dust may mix with air to product explosive mixtures.

Special protective equipment for fire-fighters: No particular measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Spilt product creates a very slippery surface in combination with water or moisture!

6.1.1 For non-emergency personnel: No data available.

6.1.2 For emergency responders: No data available.

6.2 Environmental Precautions: Take up. Flush small residual amounts into sewage system with plenty of water for biological wastewater treatment.

6.3 Methods and material for containment and cleaning up: Sweep up and shovel. Clean thoroughly. Repeat procedure if necessary.

6.4 Reference to other sections: For personal protection see section 8.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Avoid dust formation. The product itself is not explosive; however, fine dust may mix with air to product explosive mixtures. Wear dust mask in the presence of dust. If maximum admissible concentration value at the workplace is exceeded, apply Dust mask. Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities: Average temperature for loose bulk storage over 3 m^3 must not exceed 50°C. Store in a dry place. Protect from moisture.

7.3 Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety glasses

Hand Protection: No data available.

Skin and Body Protection: No data available.

Respiratory Protection: Wear dust mask in the presence of dust. If maximum admissible concentration value at the workplace is exceeded, apply Dust mask.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: solid

Form:	Powder
Color:	White
Odor:	Odorless
Odor Threshold:	No data available.
pH:	approx. 7,7 (1,0 g/l,)
Melting Point:	Not applicable
Boiling Point:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	< 20 hPa (20,00 °C)
Vapor density (air=1):	No data available.
Density:	approx. 0,7 g/cm3
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	Essentially insoluble.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	No data available.
Decomposition Temperature:	Stable under usual application conditions.
Kinematic viscosity:	No data available.
Dynamic viscosity:	Not applicable

9.2 Other information

Bulk density:	650 kg/m3
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Minimum ignition temperature:	not determined

SECTION 10: Stability and reactivity

10.1 Reactivity: No data available.

10.2 Chemical Stability: Stable under usual application conditions.

10.3 Possibility of hazardous reactions: None known.

10.4 Conditions to avoid: Avoid temperatures above 200°C. initial temperature of decomposition

10.5 Incompatible Materials: No known incompatibility with other materials.

10.6 Hazardous Decomposition Products: None known.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	LD 50 (Rat): > 5.000 mg/kg (OECD 401, limit test)
Components:	
Potassium polyacrylate, cross-linked.	LD 50 (Rat): > 5.000 mg/kg

Dermal

Product:	LD 50 (Rat) > 2.000 mg/kg (OECD 402, limit test)
Components:	
Potassium polyacrylate, cross-linked.	LD 50 (Rat): > 2.000 mg/kg

Inhalation

Product:	No data available.
Components:	
Potassium polyacrylate, cross-linked.	No data available.

Repeated dose toxicity

Product:	No data available.
Components:	
Potassium polyacrylate, cross-linked.	No data available.

Skin Corrosion/Irritation:

Product:	OECD Test Guideline 404 (Rabbit): not irritating
Components:	
Potassium polyacrylate, cross-linked.	OECD Test Guideline 404 (Rabbit): not irritating

Serious Eye Damage/Eye Irritation:

Product:	OECD Test Guideline 405 (Rabbit): Very slight eye irritation. particle effect
Components:	
Potassium polyacrylate, cross-linked.	OECD Test Guideline 405 (Rabbit): Mildly Irritating particle effect

Respiratory or Skin Sensitization:

Product:	, OECD Test Guideline 406 (Guinea Pig)not sensitizing
Components:	
Potassium polyacrylate, cross-linked.	, OECD Test Guideline 406 (Guinea Pig)not sensitizing

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Components:	

Potassium polyacrylate, cross-linked.	No data available.

In vivo

Product: No data available.

Components:

Potassium polyacrylate, cross-linked.	No data available.

Carcinogenicity

Product: no evidence for hazardous properties

Components:

Potassium polyacrylate, cross-linked.	no evidence for hazardous properties

Reproductive toxicity

Product: no evidence for hazardous properties

Components:

Potassium polyacrylate, cross-linked.	no evidence for hazardous properties

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

Potassium polyacrylate, cross-linked.	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: A chronic (2-year) lifetime inhalation study in rats, carried out using micronized dust from a superabsorbent polymer (to obtain completely inhalable particles) revealed a non-specific inflammatory reaction in the lungs. Tumours formed in several animals at the highest chronically administered concentration. (See workplace monitoring / protective equipment, Section 8). Tumours are not to be expected in the absence of chronic inflammation. The study revealed a defined NOEL of 0.05 mg/cbm of micronized dust from superabsorbent polymer.

Components:

Potassium polyacrylate, cross-linked.	A chronic (2-year) lifetime inhalation study in rats, carried out using micronized dust from a superabsorbent polymer (to obtain completely inhalable particles) revealed a non-specific inflammatory reaction in the lungs. Tumours formed in several animals at the highest chronically administered concentration. (See workplace monitoring / protective equipment, Section 8). Tumours are not to be expected in the absence of chronic inflammation. The study revealed a defined NOEL of 0.05 mg/cbm of micronized dust from superabsorbent polymer.

Aspiration Hazard

Product: Not applicable

Components:

Potassium polyacrylate, cross-linked.	Not applicable

Other adverse effects: The studies listed in fields 11 / 12 were performed on a comparable product at the Laboratory for Toxicology and Ecology, Evonik Stockhausen GmbH, Krefeld 2-year study excluded.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Components

Potassium polyacrylate, cross-linked.	LC 50 (Leuciscus idus (Golden orfe), 96 h): > 5.500 mg/l (OECD 203) LC 50 (Danio rerio (zebra fish), 96 h): > 4.000 mg/l (OECD 203)

Aquatic Invertebrates

Product: No data available.

Components

Potassium polyacrylate, cross-linked.	EC 50 (Tetrahymena pyriformis, 48 h): > 6.000 mg/l (Erlanger Ciliatentest (Prof. Gräf))

Toxicity to Aquatic Plants

Product: No data available.

Components

Potassium polyacrylate, cross-linked.	No data available.

Toxicity to microorganisms

Product: No data available.

Components

Potassium polyacrylate, cross-linked.	EC 50 (Pseudomonas putida, 24 h): > 6.000 mg/l (DEV L8)

Chronic Toxicity

Fish

Product: No data available.

Components

Potassium polyacrylate, cross-linked.	No data available.

Aquatic Invertebrates

Product: No data available.

Components

Potassium polyacrylate, cross-linked.	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components

Potassium polyacrylate, cross-linked.	No data available.

12.2 Persistence and Degradability

Biodegradation
Product: Not rapidly degradable under aerobic conditions.

BOD/COD Ratio
Product No data available.

Components
Potassium polyacrylate, cross-linked. No data available.

12.3 Bioaccumulative potential
Product: Does not bioaccumulate.

12.4 Mobility in soil: no evidence for hazardous properties

12.5 Results of PBT and vPvB assessment: PBT: no vPvB: no

Potassium polyacrylate, cross-linked. Non-classified vPvB substance Non-classified PBT substance

12.6 Other adverse effects: None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Contaminated Packaging: Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number
Not regulated as a dangerous good

14.2 UN proper shipping name
Not regulated as a dangerous good

14.3 Transport hazard class(es)
Not regulated as a dangerous good

14.4 Packing group
Not regulated as a dangerous good

14.5 Environmental hazards
Not regulated as a dangerous good

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable for product as supplied.

SECTION 15: Regulatory information

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

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

International regulations

SECTION 16: Other information

Abbreviations and acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; **ADN -** European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; **AGW -** Occupational exposure limit; **ASTM -** American Society for Testing and Materials; **AwSV -** Ordinance on facilities for handling substances that are hazardous to water; **BSB -** Biochemical oxygen demand; **c.c. -** closed cup; **CAS -** Chemical Abstract Services; **CESIO -** European Committee of Organic Surfactants and their Intermediates; **CSB -** Chemical oxygen demand; **DMEL -** Derived minimum effect level; **DNEL -** Derived no effect level; **EbC50 -** median concentration in terms of reduction of growth; **EC -** Effective concentration; **EINECS -** European Inventory of Existing Commercial Chemical Substances; **EN -** European norm; **ErC50 -** median concentration in terms of reduction of growth rate; **GGVSEB -** German ordinance for road, rail and inland waterway transportation of dangerous goods; **GGVSee -** German ordinance for sea transportation of dangerous goods; **GLP -** Good Laboratory Practice; **GMO -** Genetic Modified Organism; **IATA -** International Air Transport Association; **ICAO -** International Civil Aviation Organization; **IMDG -** International Maritime Dangerous Goods; **ISO -** International Organization For Standardization; **LD/LC -** lethal dosis/concentration; **LOAEL -** Lowest observed adverse effect level; **LOEL -** Lowest observed effect level; **M-Factor -** multiplying factor; **NOAEL -** No observed adverse effect level; **NOEC -** no observed effect concentration; **NOEL -** no observed effect level; **o.c. -** open cup; **OECD -** Organisation for Economic Cooperation and Development; **OEL -** Occupational Exposure Limit; **PBT -** Persistent, bioaccumulative, toxic; **PNEC -** Predicted no effect concentration; **REACH -** REACH registration; **RID -** Convention concerning International Carriage by Rail; **SVHC -** Substances of Very High Concern; **TA -** Technical Instructions; **TRGS -** Technical Rules for Hazardous Substances; **vPvB -** very persistent, very bioaccumulative; **WGK -** Water Hazard Class

	No labeling elements required.

Key literature references and sources for data: No data available.

Wording of the H-statements in section 2 and 3

Training information: No data available.

SDS No.:

Revision Information: Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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