

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** STOCKOSORB 660 MEDIUM

### Other means of identification

**CAS Number:** 25608-12-2

### Recommended restrictions

**Recommended use:** Soil conditioner

**Restrictions on use:** Not known.

### Manufacturer/Importer/Distributor Information

**Company Name** : Evonik Corporation  
299 Jefferson Road  
Parsippany, NJ 07054  
USA

**Telephone** : +1 973 929 8000

**Fax** : +1 973 929 8040

**E-mail** : product-regulatory-services@evonik.com

### Emergency telephone number:

**24-Hour Health** : +1 800 424 9300 (CHEMTREC - US & CANADA)

**Emergency** 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

### Hazard Classification

### Label Elements

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

**Precautionary Statements** Not applicable

**Hazard(s) not otherwise classified (HNOC):** None.

### 3. Composition/information on ingredients

#### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
Potassium polyacrylate, cross-linked.		25608-12-2	>=95%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition Comments:** Potassium polyacrylate, cross-linked.  
**Composition Comments:** The components are not hazardous or are below required disclosure limits.

The exact concentration has been withheld as a trade secret.

### 4. First-aid measures

#### Description of necessary first-aid measures

**Inhalation:** Move to fresh air.

**Skin Contact:** Gently wash with plenty of soap and water. Change contaminated clothing. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

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

**Ingestion:** Seek medical advice if symptoms occur. Rinse mouth thoroughly.

**Personal Protection for First-aid Responders:** No particular measures required. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Most important symptoms/effects, acute and delayed

**Symptoms:** None known.

**Hazards:** No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** In case of swallowing: Drink plenty of water Get medical attention if symptoms occur.

### 5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Water spray, foam, CO<sub>2</sub>, dry powder. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** High volume water jet Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** carbon monoxide, carbon dioxide During fire, gases hazardous to health may be formed.

### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** Take precautionary measures against static discharges. The product itself is not explosive; however, fine dust may mix with air to product explosive mixtures. Avoid dust formation.

**Special protective equipment for fire-fighters:** No particular measures required. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental release measures

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

**Methods and material for containment and cleaning up:** Sweep up and shovel into suitable containers for disposal. Clean thoroughly. Repeat procedure if necessary. Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

**Environmental Precautions:** Take up. Flush small residual amounts into sewage system with plenty of water for biological wastewater treatment. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

## 7. Handling and storage

### Handling

**Technical measures (e.g. Local and general ventilation):** No data available.

**Safe handling advice:** Take precautionary measures against static discharges. The product itself is not explosive; however, fine dust may mix with air to product explosive mixtures. Avoid dust formation. Wear dust mask in the presence of dust. If maximum admissible concentration value at the workplace is exceeded, apply Dust mask. Ensure adequate ventilation. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Contact avoidance measures:** No data available.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

### Storage

**Safe storage conditions:** Average temperature for loose bulk storage over 3 m<sup>3</sup> must not exceed 50°C. Keep in a dry place. Protect from moisture. Store away from incompatible materials. Store in original tightly closed container.

**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
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None of the components have assigned exposure limits.

**Appropriate Engineering Controls** No data available.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Safety glasses Wear goggles/face shield.

#### Skin Protection

**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. In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	solid
<b>Form:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	approx. 7.7 (1.0 g/l, )
<b>Melting Point:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive limit - upper (%):</b>	No data available.
<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	< 20 hPa (20 °C)
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	approx. 0.7 g/cm <sup>3</sup>

<b>Relative density:</b>	No data available.
<b>Solubility in Water:</b>	(20 °C) Practically Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Self Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	Stable under usual application conditions.
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	Not applicable
<b>Other information</b>	
<b>Bulk density:</b>	600 kg/m <sup>3</sup>
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.
<b>Minimum ignition temperature:</b>	not determined

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable under usual application conditions. Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	None known.
<b>Conditions to avoid:</b>	Avoid temperatures above 200°C. Avoid heat or contamination.
<b>Incompatible Materials:</b>	No known incompatibility with other materials.
<b>Hazardous Decomposition Products:</b>	None known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
<b>Skin Contact:</b>	Moderately irritating to skin with prolonged exposure.
<b>Eye contact:</b>	Eye contact is possible and should be avoided.
<b>Ingestion:</b>	May be ingested by accident. Ingestion may cause irritation and malaise.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)****Oral****Product:** LD 50 (Rat): > 5,000 mg/kg**Dermal****Product:** LD 50 (Rat): > 2,000 mg/kg**Inhalation****Product:** Not classified for acute toxicity based on available data.**Repeated dose toxicity****Product:** No data available.**Skin Corrosion/Irritation****Product:** OECD 404 (Rabbit): not irritating**Serious Eye Damage/Eye Irritation****Product:** Rabbit: Mildly Irritating particle effect**Respiratory or Skin Sensitization****Product:** , OECD 406 (Guinea Pig)not sensitizing**Carcinogenicity****Product:** no evidence for hazardous properties**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity****In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** no evidence for hazardous properties**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Components:**

Potassium polyacrylate, cross-linked. Not classified

**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.

**Aspiration Hazard**

**Product:** Not applicable

**Other effects:** No data available.

**12. Ecological information**
**Ecotoxicity:**
**Acute hazards to the aquatic environment:**
**Fish**

**Product:** No data available.

**Components:**

Potassium polyacrylate, LC 50 (Leuciscus idus (Golden orfe), 96 h): > 5,500 mg/l  
 cross-linked. LC 50 (Danio rerio (zebra fish), 96 h): > 4,000 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

Potassium polyacrylate, EC 50 (Tetrahymena pyriformis, 48 h): > 6,000 mg/l  
 cross-linked.

**Chronic hazards to the aquatic environment:**
**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**
**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** Does not bioaccumulate.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:** no evidence for hazardous properties

**Other adverse effects:** None known.

**13. Disposal considerations**

**Disposal methods:** Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations. Wash before disposal. Dispose to controlled facilities.

**Contaminated Packaging:** Do not re-use empty containers.

**14. Transport information**

**Domestic regulation**

**49 CFR**

Not regulated as a dangerous good

**International Regulations**

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**15. Regulatory information**

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.



**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Hazard categories**

Not classified

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances****US. EPCRA (SARA Title III) Section 312 Extremely Hazardous Substances Reporting Quantities (40 CFR 355, Appendix A)****Chemical Identity**

Not regulated.

Not regulated.

**Threshold Planning Quantity****US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations****US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**US. New Jersey Worker and Community Right-to-Know Act**

No ingredient regulated by NJ Right-to-Know Law present.

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

US TSCA Inventory:

On or in compliance with the  
inventory

**16. Other information, including date of preparation or last revision**
**HMIS Hazard ID**

<b>Health</b>	0
<b>Flammability</b>	0
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	<b>B</b>

B - Safety Glasses &amp; Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

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**Version #:** 1.0

**Further Information:** No data available.

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

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