

# Material Safety Data Sheet

MSDS ID: CR-166

**Product Name: Stockosorb® 660**

XL, Medium, Micro, Powder, G106

**Chemical Name:** Potassium polyacrylate, Cross-linked**Product Use:** Soil Conditioner**\*\*\* Section 1 - Chemical Product and Company Identification \*\*\*****Manufacturer Information**Evonik Corporation  
3606 Highway 44  
Garyville, LA 70051-3606Phone: Non-emergency # (800) 242-2271  
North America Emergency # (800) 424-9300 CHEMTREC  
International Emergency # (703) 527-3887 CHEMTREC Call Collect**Distributor Information**Evonik Corporation  
2401 Doyle Street  
Greensboro, NC 27406Phone: Non-emergency # (800) 242-2271  
North America Emergency # (800) 424-9300 CHEMTREC  
International Emergency # (703) 527-3887 CHEMTREC Call Collect**General Comments**

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving the product. All non-emergency questions should be directed to the toll free customer service number.

**\*\*\* Section 2 - Hazards Identification \*\*\*****Emergency Overview**

This product is a white granular, odorless powder that yields a gel-like material with the addition of water. The product is essentially insoluble in water and may cause extremely slippery conditions when wet.

Stockosorb® 660 particles may be defined as Inert or nuisance dust by OSHA, under 29 CFR 1910.1000, Table Z-3. Any nuisance dust may be a potential respiratory tract irritant. Use an approved respirator if necessary when conditions merit. See Section 8 for Exposure Controls and Personal Protection.

**Potential Health Effects: Eyes**

Dust may cause burning, drying, itching and other discomfort, resulting in reddening of the eyes.

**Potential Health Effects: Skin**

Exposure to the dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect.

**Potential Health Effects: Ingestion**

As in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.

**Potential Health Effects: Inhalation**

Stockosorb® 660 particles are nuisance dust particles. If necessary, use the appropriate NIOSH approved dust mask.

**HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

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## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Quantity
25608-12-2	2-Propenoic acid, homopolymer, potassium salt	>97%

### Component Information/Information on Non-Hazardous Components

The components of this product are not regulated as hazardous under 29 CFR and 49 CFR.

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes.

### First Aid: Skin

Remove polyacrylate absorbent dust from skin using soap and water.

### First Aid: Ingestion

If ingestion of a large amount does occur, seek medical attention.

### First Aid: Inhalation

If inhaled, move to source of fresh air. Seek medical attention if symptoms persist.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

Dusts may form an explosive mixture in air.

**Upper Flammable Limit (UFL):** Not Established

**Lower Flammable Limit (LFL):** Not Established

**Method Used:** None

**Flash Point:** None

**Flammability Classification:** None

### Hazardous Combustion Products

On thermal decomposition, oxides of carbon and nitrogen.

### Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog. Extremely slippery conditions are created if spilled product comes in contact with water.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

### NFPA Ratings:

**Health:** 1

**Fire:** 0

**Reactivity:** 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

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## Containment Procedures

Keep traffic in the area of a spill to a minimum. Use caution after contact with water as extremely slippery conditions will result. This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.

## Clean-Up Procedures

Use caution after contact of product with water as extremely slippery conditions will result. Residuals may be flushed with water into the drain for normal wastewater treatment. This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.

## Evacuation Procedures

None required.

## Special Procedures

Avoid respirable dust inhalation during clean-up. Wear appropriate respirator.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Handle as an eye and respiratory tract irritant.

### Storage Procedures

Store in a dry, closed container.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines

#### A: General Product Information

Stockosorb® 660 particles may be defined as Inert or nuisance dust by OSHA, under 29 CFR 1910.1000, Table Z-3. Any nuisance dust may be a potential respiratory tract irritant. Use an approved respirator if necessary when conditions merit.

#### B: Component Exposure Limits

Respirable dust: Industry recommended TLV 0.05 mg / m<sup>3</sup> (See. Section 11)

Respirable dust: OSHA PEL 5 mg / m<sup>3</sup>

Total dust: OSHA PEL 15 mg / m<sup>3</sup>

### Engineering Controls

Provide local exhaust ventilation to maintain worker exposure to less than 5 mg/m<sup>3</sup> over an eight-hour period.

## PERSONAL PROTECTIVE EQUIPMENT

### Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields or goggles.

### Personal Protective Equipment: Skin

Use impervious gloves when handling the product in the manufacturing environment.

### Personal Protective Equipment: Respiratory

Use a NIOSH approved HEPA filter, or supplied air respirators when exposures reach the OSHA established PEL's.

### Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping. Wash thoroughly after handling.

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## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b> White, Granular Powder	<b>Odor:</b> None
<b>Physical State:</b> Solid	<b>pH:</b> ~6.5-8.5
<b>Vapor Pressure:</b> <15 mm Hg@20°C (68°F)	<b>Vapor Density:</b> Not Established
<b>Boiling Point:</b> Not Established	<b>Melting Point:</b> Not Established
<b>Solubility (H2O):</b> Essentially insoluble	<b>Flash Point:</b> Not Applicable
<b>Freezing Point:</b> Not applicable	
<b>Bulk Density:</b> ~0.50-0.75 g/cc	

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

The product is stable.

### Chemical Stability: Conditions to Avoid

None

### Incompatibility

None

### Hazardous Decomposition

See combustion products.

### Hazardous Polymerization

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute and Chronic Toxicity

#### General Product Information

Oral toxicity:	LD50 rat: >5000 mg/kg. Method: OECD No. 401-Limit test
Dermal toxicity:	LD50 rat: >2000mg/kg; Method: OECD No. 402-Limit test
Skin irritation:	Rabbit: No irritation. Method OECD No. 404
Eye irritation:	Rabbit: Very slight eye irritation - Particle effect. Method OECD No. 405
Sensitization:	Guinea pig: No sensitization. Method: OECD No. 406

Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.

**Repeated Dose Toxicity:** A chronic (two-year) lifetime inhalation study on rats, carried out with micronized dust of a superabsorbent polymer (in order to produce fully respirable particles) resulted in an unspecified inflammatory reaction in the lungs which caused the formation of tumors in some animals receiving the highest chronically administered concentration (see exposure controls/protective equipment in section 8). Without chronic inflammation, tumors are not to be expected. The study produced a NOEL definition of 0.05 mg/m<sup>3</sup> for micronized dust of superabsorbent polymer.

### Carcinogenicity

#### A: General Product Information

This material is not listed as a carcinogen by IARC, NTP or OSHA.

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## B: Component Carcinogenicity

No information is available.

## Mutagenicity

A similar polyacrylate absorbent had no effect in mutagenicity tests.

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### General Product Information

Biodegradability: Result: Not rapidly degradable under aerobic conditions.

Ciliate toxicity: *Tetrahymenda pyriformis*: EC50>6000 mg/l. 24 hr exposure.

Bacterial toxicity: *Ps. putida*: EC50>6000 mg/l. 24 hr

Fish toxicity: *Leuciscus idus*: LC50>5500 mg/l. 96 hr exposure-OECD No. 203

*Danio rerio*: LC50>4000 mg/l. 96 hr exposure-OECD No. 203

Other information: Data report in Section 11 and 12 were determined on a comparable product in the Laboratory for Toxicology and Ecology, Evonik Stockhausen GmbH, Krefeld, Germany.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

This product is a non-hazardous waste material suitable for approved solid waste landfills.

#### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

Dispose of in accordance with Local, State and Federal regulations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### International Transportation Regulations

This product is not a hazardous material and is not regulated by the United States Department of Transportation (D.O.T.).

#### IMDG

Not a dangerous good

#### ICAO/IATA

Not a dangerous good

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

This product is not federally regulated as a hazardous material.

#### B: Clean Air Act

No information is available.

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## C: Component Analysis

No information is available.

## State Regulations - General

This product is not regulated by any State as a hazardous material.

## Component Analysis - State

None of this product's components are on the state lists from CA, FL, MA, MN, NJ, or PA

## Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

## Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
2-Propenoic acid, homopolymer, potassium salt	25608-12-2	Yes	DSL	Not regulated as a polymer.

## \*\*\* Section 16 - Other Information \*\*\*

### Other Information

The information provided in this material 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, 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.

### MSDS History

This is a new MSDS. Section's 2 & 3 reflect newly proposed August, 2004 ANSI Standards format recommendation for 2007 implementation.

**Contact:** Product Compliance Officer

**Contact Phone:** (800) 242-2271

End of MSDS: CR-166