Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

WaterStor

Revision date:

Supplier TegraSeal Products, LLC
9231 Penn Ave S, Suite 2A
Bloomington, MN 5531 USA

For non-emergency information contact: 954-888-1816

Emergency telephone number

Spill Emergency	954-888-1816
Health Emergency	954-888-1816
After hours contact	508-816-2168

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	% weight
Elthylene-vinyl acetale Copolymer	24937-78-8	60%
2-Propenoic acid, hompolymer sodium salt	9003-04-7	40%

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance

Form	mesh
Color	white
Odor	none

Potential Health Effects

Primary Routes of Entry: All materials are within the mesh. Minor amounts of dust could be generated. These minor amounts could enter through: Inhalation, eye contact, skin contact.

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.

5. FIRE-FIGHTING MEASURES

Flash point	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Thermal decomposition	On thermal decomposition, oxides of carbon.
Suitable extinguishing media:	Dry chemical, foam, carbon dioxide, water fog. Extremely slippery conditions are created if spilled product comes in contact with water.
Special Fire Fighting Procedure:	In the event of a fire, wear NIOSH approved positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing.
Unusual Fire and Explosion Hazards:	Fire may produce irritating gases and dense smoke.

Hazardous Combustion Products
On thermal decomposition, oxides of carbon.
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

6. ACCIDENTAL RELEASE MEASURES

Containment Procedures
Keep traffic in the area of a spill to a minimum particularly after contact with water, as extremely slippery conditions will result. This is a non-hazardous waster 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. This is a non-hazardous waste suitable for disposable in an approved solid waste landfill.

Evacuation Procedures
None required.

Special Procedures
Avoid respirable dust inhalation during clean up. If necessary, wear appropriate respirator.

7. HANDLING AND STORAGE

Handling
Maintain good housekeeping. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage: Store in a dry, closed container. Avoid exposure to UV light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines
A: General Product Information
This product is not regulated as a hazardous material and should not generate high levels of dust. The product is insoluble in water and will become extremely slippery when wet. Recent scientific information has determined that respirable super absorber particles are defined as inert or nuisance dust by OSHA, under 29 CFR 1900.1000, 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: TLV is 3mg/ml^3, inhalable dust 10 mg/m^3.
Engineering Controls
General ventilation should be sufficient. If operating conditions create high airborne concentrations of dust, local exhaust ventilation may be needed to maintain worker exposure to less than 5 mg/m^3 dust 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, especially before eating, drinking, smoking, chewing, or using restroom facilities. Dusted clothing and shoes should be thoroughly cleaned before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	mesh
Color	white
Odor	none
Boiling point/range	not established
Melting point/range	100 to 150 °C (212 to 300 °F)
Flash point	not applicable
Lower explosion limit	not established
Upper explosion limit	not established
Vapor pressure	not established
Relative vapor density	not established
Water solubility	Essentially Insoluble

Relative density	not established
Viscosity, dynamic	not established
Evaporation rate	not established
Percent volatility	not established

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Conditions to Avoid:	Elevated temperatures can cause product to decompose. Avoid static discharge.
Hazardous Decomposition:	Carbon Dioxide, Carbon Monoxide, Aldehydes, Alcohols, and Organic acids; oxides of carbon.
Hazardous Polymerization:	Product will not undergo polymerization.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral:
LD50/rat: > 2,000 mg/kg

Dermal:
LD50/rat: > 2,000 mg/kg

Skin irritation:
rabbit: non-irritant (OECD Guideline 404)

Eye irritation :
rabbit: non-irritant (OECD Guideline 405)

Sensitization:
No sensitizing effect.

Chronic toxicity

Carcinogenicity:
A chronic (2-year) lifetime inhalation study in rats with respirable superabsorber polymer dust (micronized to < 10 µm diameter) resulted in a non-specific inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0.8 mg/m3.
In the absence of chronic inflammation, tumours are not expected.

Other information:
The statement was derived from products of similar composition.

12. ECOLOGICAL INFORMATION

Environmental fate and transport

Biodegradation:
Evaluation: The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plts.

Bioaccumulation:
Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Environmental toxicity

Acute and prolonged toxicity to fish:
OECD Guide-line 203 static
zebra fish/LC50 (96 h): > 100 mg/l

Acute toxicity to aquatic invertebrates:
OECD Guideline 202, part 1 static
Daphnia magna/EC50 (48 h): > 100 mg/l

Toxicity to aquatic plants:
OECD Guideline 201 green algae/EC50 (72 h): > 100 mg/l
Nominal concentration.

Toxicity to microorganisms:
:
The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to soil dwelling organisms:
OECD Guideline 207 Eisenia foetida/LC50: > 1,000 mg/kg

Other ecotoxicological advice:
Do not release untreated into natural waters. The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

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.

14. TRANSPORT INFORMATION

DOT Not regulated for transport

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.
C: Component Analysis
No information is available.

State Regulations
Component Analysis – State

Workplace Classification
This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).
SARA TITLE III: Section 311/312 Categorizations (40CFR370): This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

SARA TITLE III: Section 313 Information (40CFR372)
This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

CERCLA Information (40CFR302.4)
Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

US. Toxic Substances Control Act (TSCA) All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Pennsylvania
Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

16. OTHER INFORMATION

Hazard Rating

	Health	Fire	Reactivity
HMIS	1	0	0

Legend

OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit

STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

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.

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