

**MSDS DATA**  
**(FloodBloc bag and polymer)**  
 535 Chestnut Street  
 Suite 203  
 Chattanooga, Tennessee 37402  
 Telephone 423-710-3352

Section I

IDENTITY As used on Label and List: water absorbent polymer  
 MATERIAL NAME acrylic acid polymer, partial sodium salt

Section II – Hazardous Ingredients/Identity Information

	%(optional)	OSHA PEL	ACGIH TLV	Other Limit Recommended
Composition				
-acrylic acid polymer				
Partial sodium salt	Approx	None Estb.	None Estb.	
- Materials Weight > 1				
Limits based nuisance dust And particulate		TWA:15mg/m3	TWA: 10mg/m3	0.05 mg/m3

UN Class: Not applicable

UN No: Not applicable

Section III – Physical Chemical Characteristics

Boiling point (C) : Not applicable  
 Vapor Pressure : Not applicable  
 Vapor Density : Not applicable  
 Appearance and Odor : White powder, no specific odor  
 Bulk Specific Gravity : Approx: 1.6  
 Melting point : Decomposes below melting point  
 Evaporation Rate : Not applicable  
 Solubility in water : Insoluble, swellable

Section IV 0 Fire and Explosion Hazard Data

Flash Point (Method Used) : >510 C  
 Flammable Limits : No data  
 Extinguishing Media : Carbon dioxide, dry chemical  
 Special Fire Fighting Procedures : Wear self contain  
 Usual Fire Explosion Hazards : Implement standard safety precautions for

Section V – Reactive Data

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Section V – Reactive Data

Stability : stable  
Conditions to avoid : flame

#### Section VI - Health Hazard Data

Route(s) of Entry : Inhalation: Yes Skin: No Ingestion: Yes

#### Health Hazard ( Acute and Chronic)

Eye Contact	: Eye Mucosal irritation	Non-irritant(washed , rabbit)	[Similar Product]
		Minimal irritation(unwashed. rabbit)	[Similar Product]
Skin Contact	: Skin irritation	Non-irritant (patch test. Human)	[Similar Product]
Inhalation	: Dust may cause lung irritation and inflammation		
Ingestion	: Acute oral toxicity L.D.50 > 2.00 mg/kg (rat)		[Similar Product]

Carcinogenicity : NTP : Not Listed IARC Monographs : Not Listed  
No specific information is available.

Signs and Symptoms of Exposure: Contact with eyes may cause itching.

Medical Conditions, Generally Aggravated by Exposure: No specific information is available.

#### Emergency and First Aid Procedures

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes including under eyelids. Get medical attention  
Skin contact : Flush affected skin with soap and water.  
Inhalation : Remove to fresh air and restore breathing.  
Ingestion : Rinse mouth with water. Do not induce vomiting. Get medical attention.

Further Information Materials and Chemistry Laboratories made a preliminary inhalation study in with micronized super absorbent polymer and the result was that exposure limit for repairable polymer dust was below 0.05 mg/m<sup>3</sup>

#### Section VII – Precautions for Safe handling and Use.

##### Steps to be Taken in Case Material is Released or Spilled

Stop leaks. Sweep up, shovel or vacuum using explosion- proof equipment and place in a disposable container. Provide adequate ventilation to spill area. Wear adequate personal protective clothing and equipment.

##### Waste Disposal Method

Incinerate in accordance with Federal, State, local regulations.  
EPA does not define this product as hazardous waste under RCRA Handbook

##### Precautions to Be Taken in Handling and Storing

Avoid contact with eyes and breathing dust when handling. Wash hands and face thoroughly after handling.  
Store in a cool and dry place away from heat and flame. Keep container tightly closed.

##### Other Precautions

None

#### Section VIII – Control Measures

##### Respiratory Protection (Specify Type)

Use an approved dust respirator for concentration in excess of the applicable exposure limits.

Ventilation

Local Exhaust	: Required when dusty conditions
Mechanical (General)	: Recommended
Special	: None
Other	: None

Protective Gloves	: Wear impervious gloves
Eye protection	: Wear safety glasses
Other Protective Clothing or Equipment	: Eye wash facility
Work/Hygienic Practices	: Necessary (safety shower etc.)

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