

Section 1: Product and Company Identification

Product Name: Quick Dam
Product Codes: QD65-1, QD65-2, QD65-4, QD65-26, QD610-1, QD610-12, QD617-1, QD617-8, QD1224-2, QD1224-6, QD1224-10, QD1224-20, QD1224-120, QD1248-25, QDGG5-10, QDGG10-5, QDGGFB-20, QDGGCO, QDGG1248-5, QDDUFF5-14, QDDUFF10-7, QDDUFF17-4 & QDDUFFFB-20

Manufacturer: Absorbent Specialty Products, LLC
Address: 1 John C Dean Memorial Blvd, Cumberland, RI 02864
Emergency Phone: 401-722-1177
Chemtrec phone:
Other Calls: 401-722-1177
Fax Phone: 401-722-1160

Chemical Name: Sodium Polyacrylate
WHMIS Symbols: None

Product Use: Designed to absorb, swell & gel water causing a barrier
Prepared By: Carol Dancer

Section 2: Hazards Identification

Emergency Overview: Not a dangerous substance according to GHS classification criteria.
Routes of Entry:
Potential Health Effects:

Contents of Water Activated Indoor Fluid Control if outer material is punctured: (outer fabric: not applicable)

Eyes: Flush eyes with large amounts of water if contact or irritation occurs
Skin: Wash off in flowing water or shower
Ingestion: No adverse effects anticipated by this route of exposure.
Inhalation: Seek well ventilated area. If irritation, severe coughing or breathing difficulty persists seek medical attention
Chronic: If fabric is open, may cause mild mechanical irritation to eyes, skin & respiratory tract

Medical Conditions generally aggravated by exposure: Pre-existing eye or respiratory disorders.

Section 2 notes: Sodium Polyacrylate is a white, granular, odorless polymer that yields a gel-like material with the addition of water. it is insoluble in water and causes extremely slippery conditions when wet. although not regulated as a hazardous material, the respirable dust is a potential respiratory tract irritant. the manufacturer recommends an 8 hour exposure limit of 0.05mg/m³

Section 3: Composition/Information on Ingredients

Components:	Cas No.	%Wt	%Vol	LD ₅₀ of ingredient	LC ₅₀ of ingredient
Outer Material				RAT 40mg/kg: Oral Acute Toxicity	
Polypropylene	9003-07-0	>99%			
Black Pigment	N/A	<0.3%			
Inner Material:					
Sodium Polyacrylate	9003-04-7	100			

Section 4: First Aid Measures: Inner Contents of Quick Dams

Eyes:	Flush with water for 15 minutes. If discomfort persists, seek medical attention.
Skin:	Not applicable / outer fabric: If molten, treat as thermal burn
Ingestion:	Not considered harmful in small quantities. If discomfort persists, seek medical attention.
Inhalation:	Remove persons to fresh air if excessive amounts of dust inhaled. Try to expel any material in breathing passages. If irritation persists, severe coughing or respiratory difficulty occur, seek medical attention.

Section 5: Fire-Fighting Measures

Flammable Limits in Air (% by volume)	Upper: NE	Lower: NE
Flash Point:	°F: None	°C: None
Method Used (oc or cc):		
Autoignition Temperature:	°F: None	°C: None
NFPA Hazard Classification		
Health: 1	Flammability: 1	Reactivity: 1 Other:
HMIS Hazard Classification		
Health: 0	Flammability: 1	Reactivity: 1 Protection:
Extinguishing Media:	Water, dry chemical, foam, carbon dioxide, halon (use media appropriate to conditions)	
Special Fire Fighting Procedures:	Wear a self contained breathing apparatus & refer to absorbed liquid(s) MSDS	
Unusual Fire and Explosion Hazards:	Caution: Contents slippery when wet	
Hazardous Decomposition Products:	When heated above melting point – outer fabric: Carbon Monoxide, Carbon Dioxide, Acrollein, Ketones, Aldehydes & other unidentified organic compounds.	

Section 6: Accidental Release Measures

Accidental Release Measures:

Containment:	Sweep or vacuum material when possible & shovel into a waste container.
Clean up:	Use caution after contact 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:	None required
Special:	Avoid respirable dust inhalation during clean-up. Wear appropriate respirator.

Section 7: Handling and Storage

Handling and storage:	Store in a dry closed container. Keep container closed to prevent absorption of moisture. Handle as an eye and respiratory tract irritant.
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Section 8: Exposure Controls/Personal Protection

Engineering controls:	This product is not regulated as a hazardous material.
Ventilation :	Not required
Respiratory protection:	Not required
Eye protection:	Not required, safety glasses can be worn for good industrial practice.
Skin protection:	Not applicable
Work hygienic practices:	
Exposure guidelines:	Not applicable

Section 9: Physical and Chemical Properties

Appearance:	Inner Contents: White granular powder	Outer Contents: Black Needle-punch Fabric
Odor:	No Odor	
Physical State:	Solid Black Outer Fabric	
pH:	5.5-6.5 (1% In Water)	
Boiling Point:	Not applicable	
Melting Point:	Not Applicable/Outer Fabric: 248-338°F	
Freezing Point:		
Vapor Pressure (mmHg):	Not Applicable	
Vapor Density (air = 1):	Not Applicable	
Specific Gravity (H₂O = 1):	(H ₂ O = 1): 1.5	
Evaporation Rate:	Not Applicable	
Solubility in Water:	Swells in water, slightly water soluble/outer fabric: not applicable	

Section 10: Stability and Reactivity

	Stable	Unstable
Stability:	Yes	
Conditions to avoid (stability):		Not established
Incompatibility (material to avoid):		Water activates internal product. Strong oxidizing bases may degrade outer fabric.
Hazardous decomposition or by-products:		Not established. Outer fabric may emit toxic fumes when heated
Hazardous polymerization:		Will not occur
Conditions to avoid (polymerization):		Avoid open flame & sparks

Section 11: Toxicological Information

Toxicological Information:	Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.
Acute toxicity – LD₅₀/LC₅₀	Sodium Polyacrylate, LD ₅₀ : Oral LD ₅₀ RAT: 40 mg/kg

Section 11 notes:

Chronic inhalation exposure to rats for lifetime (2 years) using sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produced non-specific inflammation and chronic lung injury at 0.2mg/m³ and 0.8mg/m³. Also, at 0.8mg/m³, tumors were seen in some test animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects detected at 0.05mg/m³.

Section 12: Ecological Information

Ecological information: Composted polyacrylate absorbents are non-toxic to aquatic or terrestrial organisms at predicted exposure levels from current application rates.

Section 12 notes:

Polyacrylate absorbents are relatively inert & anaerobic conditions. They are immobile in landfills & Soil systems (greater than 90% retention), with the mobile interaction showing biodegradability. They are Also compatible with incineration of municipal solid waste. Incidental down-the-drain-disposal of small Quantities of polyacrylic absorbents will not effect the performance of waste water treatment systems.

Section 13: Disposal Considerations

Waste Disposal Method: If unused, no special precautions are necessary. This product is not subject to the 40 CFR Part 268.30 Land Ban on the disposal of certain hazardous wastes. Dispose of in accordance with federal, state and local regulations. In certain types of cleanup applications the nature of the material recovered will classify the resulting spent material as a hazardous component. In such instances, the material should be disposed of via an approved hazardous waste disposal service and the appropriate manifesting obtained.

RCRA Hazard Class: None

Section 14: Transport Information

This product is not transport regulated.

Section 15: Regulatory Information

U.S. Federal regulations:	No components are listed in the WHMIS IDL
TSCA (Toxic Substance Control Act):	All ingredients are listed
CERCLA (Comprehensive Response Compensation, and Liability Act):	No Reportable Quantity
SARA Title III (Superfund Amendments and Reauthorization Act):	No Listed Ingredient
311/312 Hazard categories:	
313 Reportable ingredients:	
State regulations:	
International regulations:	

Section 15 notes:

This product is not state or federally regulated as a hazardous material. CFR references for the FDA regulated components in this product are listed.

Sodium Polyacrylate (9003-04-7)

Direct Food Additive: 173.73, 173.310

Indirect Food Additives: 175.105

Section 16: Other Information

Other Information:	None	-	Extreme
NFPA Hazard Rating:	0	-	4
Health:	1		
Fire:	1		
Reactivity:	1		

Preparation information:

Disclaimer: The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with federal, state or local laws.