

Section 1: Product and Company Identification

Product Name: Slurry Solidifier
Product Codes: LLS-5, LLS-50

Manufacturer: Absorbent Specialty Products, LLC
Address: 30 Hamlet Street, Pawtucket, RI 02861
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: Absorbs water & water based fluids.
Available in bottles, pails & contained within a variety of fabrics.

Prepared By: Carol Dancer

Section 2: Hazards Identification

Emergency Overview:

Routes of Entry:

Potential Health Effects:

- Eyes:** **Yes** - dust may cause burning, drying, itching & other discomfort, resulting in reddening of the eyes
- Skin:** **Yes** - exposure to dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect.
- Ingestion:** **Yes** - although not a likely source of entry, tests have shown that polyacrylate absorbents are non-toxic if ingested. however, as in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.
- Inhalation:** **Yes** - exposure to respirable dust may cause respiratory tract and lung irritation and may aggravate existing respiratory conditions.

Medical Conditions generally aggravated by exposure: Existing respiratory disorders.

Section 3 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

Ingredient: Sodium Polyacrylate

<u>Cas No.</u>	<u>%Wt</u>	<u>%Vol</u>	<u>LD₅₀ of ingredient</u>	<u>LC₅₀ of ingredient</u>
ingredient 9003-04-7	>99%		RAT 40mg/kg: Oral Acute Toxicity	

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

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes
Skin:	Remove dust absorbent polyacrylate from skin with soap & water
Ingestion:	Non-toxic by ingestion. however, if adverse symptoms appear, seek medical attention.
Inhalation:	If inhaled, move to source of fresh air. seek medical attention if symptoms persist.

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: 0	Reactivity: 0 Other:
HMIS Hazard Classification		
Health: 0	Flammability: 1	Reactivity: 1 Protection:
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 Procedures:	Extremely slippery conditions are created if spilled product comes in contact with water	
Unusual Fire and Explosion Hazards:		
Hazardous Decomposition Products:		

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. Handle as an eye and respiratory tract irritant.

Section 8: Exposure Controls/Personal Protection

Engineering controls:	This product is not regulated as a hazardous material. However, the manufacturer recognizes the potential for respiratory tract irritation and recommends an 8 hour exposure limit of 0.5mg/m ³
Ventilation :	Provide local exhaust ventilation to maintain worker exposure to less than 0.5mg/m ³ over an 8 hour period.
Respiratory protection:	Yes - Wear respiratory with a high efficiency filter if particulate concentrations in the work area exceed 0.05mg/m ³ over an 8 hour period.
Eye protection:	Yes - Wear safety glasses with side shields or goggles
Skin protection:	Yes - Use impervious gloves when handling the product in the manufacturing environment.
Work hygienic practices:	
Exposure guidelines:	Obey reasonable safety precautions & practice good housekeeping wash thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance: White granular powder
Odor: No Odor
Physical State: Solid
pH: 5.5-6.5 (1% In Water)
Boiling Point: NE
Melting Point: >390°F
Freezing Point:
Vapor Pressure (mmHg): <10 mmHg
Vapor Density (air = 1): NE
Specific Gravity (H₂O = 1): 0.4 - 07 g/ml
Evaporation Rate: <1.0
Solubility in Water: Not soluble

Section 10: Stability and Reactivity

	Stable	Unstable
Stability:	Yes	
Conditions to avoid (stability):		
Incompatibility (material to avoid):		None
Hazardous decomposition or by-products:		Not known
Hazardous polymerization:		
Conditions to avoid (polymerization):		

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, LD₅₀: Oral LD₅₀ 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 wastewater treatment systems.

Section 13: Disposal Considerations

Waste Disposal Method: This product is non-hazardous waste material suitable for approved solid waste landfills. No EPA waste numbers are applicable for this product. Dispose of in accordance with local, state & federal regulations.

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):

CERCLA (Comprehensive Response Compensation, and Liability Act):

SARA Title III (Superfund Amendments and Reauthorization Act):

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:

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.