



Material Safety Data Sheet: SlurryShield® PBS™

May 13, 2008

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1. MATERIAL IDENTIFICATION

Product Name: SlurryShield PBS
Chemical Name: Sodium Polyacrylamide **CAS Reg. No.:** 25085-02-3
Cationic Polyacrylamide 69418-26-4
Silicic Acid, Disodium salt; Disodium trioxosilicate; sodium metasilicate 6834-92-0
Carboxylated Styrene Butadiene Polymer Proprietary
Water 7732-18-5
Emergency Phone No.: North America: 1-800-255-3924; Worldwide: +01-813-248-0585

2. HAZARDOUS INGREDIENTS

Material or Component	Wt %	Hazard Data
Alkali sources as Na ₂ O, dry product (pH of 1% solution 9.0; powder is irritating to skin, eyes etc., the product is non-hazardous as solution, alkaline with only 0.11 % as Na ₂ O)	9.8	irritating to skin (dry)

3. PHYSICAL DATA

Material is a:	White Granular Solid
Appearance and Odor:	White Granular, Odorless.
pH:	9.3 – 9.8 (1% solution)
Boiling Point:	ND
Melting Point:	ND
Specific Gravity:	0.87 powder approximately (Water = 1.0)
Vapor Pressure:	NA (mg Hg / 20°C)
Vapor Density:	NA (Air = 1.0)
Solubility in Water:	complete, 100 (% by weight)
% Volatile by Volume:	ND (at 20°C)
Evaporation Rate:	NA

4. REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Store in dry place –slippery/lumpy if wet
Incompatibility (materials to avoid):	Oxidizing agents - may cause exothermic reaction.
Hazardous Decomposition Products:	If incinerated at high temperature under controlled conditions, thermal decomposition byproducts would include carbon monoxide, carbon dioxide, various nitrous oxides.



Hazardous Polymerization: Will not occur.

5. FIRE AND EXPLOSION DATA

Flash Point: Not flammable
Auto Ignition Temperature: ND
Flammable Limits in Air % by Volume: ND
Unusual Fire and Explosion Hazards: See decomposition products

6. HEALTH HAZARD INFORMATION

Inhalation: Dust may irritate respiratory tract.
Ingestion: May cause discomfort or gastrointestinal disturbance. Low oral toxicity.
Skin: May cause irritation, especially after prolonged or repeated contact.
Eyes: Dust contact and solution contact may cause irritation.
Permissible Concentration in Air: None published
Unusual Chronic Toxicity: None known.

7. EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Clear the air-way. Remove to fresh air. Apply mouth-to-mouth respiration if not breathing. Get immediate medical attention.
Skin: Flush with plenty of soap and water for at least 15 minutes. If irritation persists, get medical attention.
Eyes: Immediately flush with water, continuing for 15 minutes. Get medical attention.
Ingestion: If conscious, immediately give 2 to 4 glasses of water and get medical attention.

8. PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: If dusty conditions are encountered, wear NIOSH approved dust respirator.
Ventilation: General room ventilation should be satisfactory.
Eye & Face Protection: Safety glasses for normal handling conditions. Use goggles when handling solutions. Do not wear contact lens.
Hands, Arms, & Body: Rubber gloves and full work clothing. Add protective (rubber) clothing if splashing or repeated contact with solution is likely.

9. PRECAUTIONS & PROCEDURES

Fire Extinguishing Agents Recommended: Foam, carbon dioxide, or dry chemical
Fire Extinguishing Agents to Avoid: Water may cause extremely slippery conditions.
Special Fire Fighting Precautions: Wear self-contained breathing apparatus. Solutions of product are extremely slippery.



Ventilation: Local exhaust if dusting occurs. Natural ventilation - adequate in absence of dust.

9. PRECAUTIONS & PROCEDURES - Continued

Normal Handling: Avoid contact with skin, eyes or clothing. Do not inhale dusts. Use normal personal hygiene and housekeeping.

Storage: Store in a cool, dry place.

Spill or Leak (Always Wear Personal Protective Equipment): Sweep up or shovel into metal or plastic container. Immediately cover with commercial or other available absorbent. Close and store as above. Water may be used to complete cleaning. Large spill: Dike up with same material. Mop up or pump into same container and so forth.

Special Precautions / Procedures / Label Instructions: **Recovered material can be used in fresh fluid preps.** Product solutions are extremely slippery.

10. ENVIRONMENTAL

Degradability / Aquatic Toxicity: ND

Octanol/Water Partition Coefficient: ND

Waste Disposal Methods Dispose as non-hazardous waste in compliance with state, and local regulations.

RCRA Status of Unused Material if Discharged: Not a "Hazardous Waste".

Hazardous Waste Number: NA

DOT Status: Not regulated.

Reportable Quantity: EPA 40 CFR 302 (CERCLA 102): NA

Threshold Planning Quantity: EPA 40 CFR 355 (SERA 311-304): NA

Toxic Chemical Release Reporting: EPA 40 CFR 372 (SERA 311-313): NA

EPA Hazard Classification Code: Acute - No; Chronic - No; Fire - No; Pressure - No; Reactive – No

HMIS & NFPA Ratings:	HMIS	NFPA
Health	1	1
Flammability	0	0
Reactivity	1	1
Special	NA	NA

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer re-labels this product, legal counsel should be consulted to insure proper health, safety, and other necessary information is included on the container. Seller provides no warranties; either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.