



Issuing Date 2/15/2012

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** PSSA REAGENT, 5% SOLUTION

**Product Code(s)** 4134

**Recommended Use** Test kit reagent. Laboratory chemicals. Industrial (not for food or food contact use).

**Company** LaMotte Company, Inc.  
802 Washington Avenue  
P.O. Box 329  
Chestertown, MD 21620  
USA

**Emergency Telephone Number** 24 Hour Emergency Number (CHEM-TEL):  
USA, Canada, Puerto Rico 1-800-255-3924  
Outside North American Continent (Call collect) 813-248-0585

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

May irritate eyes and skin

May be harmful if swallowed, inhaled, or absorbed through skin

**Appearance** Clear, colorless

**Physical State** Liquid

**Odor** None

### Potential Health Effects

**Principle Routes of Exposure** Eye contact, Skin contact, and, Ingestion.

### Acute Toxicity

**Eyes**

May cause irritation.

**Skin**

May cause irritation. May be harmful in contact with skin.

**Inhalation**

May cause irritation.

**Ingestion**

May be harmful if swallowed.

### Chronic Effects

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium polystyrene sulfonate	25704-18-1	5
Water, distilled	7732-18-5	to 100%

## 4. FIRST AID MEASURES

**General Advice** Do not get in eyes, on skin, or on clothing. Show this safety data sheet to the doctor in attendance.

**Eye Contact** Rinse thoroughly with water as necessary. If irritation persists or develops, contact a physician.

<b>Skin Contact</b>	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If irritation develops or persists, consult physician.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth. Drink plenty of water. Consult a physician.
<b>Protection of First-aiders</b>	Use personal protective equipment. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

## 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not a fire hazard. Not applicable.			
<b>Flash Point</b>	Not applicable			
<b>Suitable Extinguishing Media</b>	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam.			
<b>Explosion Data</b>				
<b>NFPA</b>	<b>Health Hazard 0</b>	<b>Flammability 0</b>	<b>Stability 0</b>	<b>Physical and Chemical Hazards N/A</b>
<b>HMIS</b>	<b>Health Hazard 1</b>	<b>Flammability 0</b>	<b>Stability 0</b>	

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Ensure adequate ventilation.
<b>Methods for Containment</b>	Dispose according to federal, state, and local regulations. Dispose according to local regulations, if permitted dissolve in water and rinse to drain.
<b>Methods for Cleaning Up</b>	After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not ingest.
<b>Storage</b>	Keep containers tightly closed in a dry, cool, and well-ventilated place. Store at room temperature.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium polystyrene sulfonate 25704-18-1	None Known	None Known	None Known
Water, distilled 7732-18-5	None Known	None Known	None Known

<b>Engineering Measures</b>	Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and Body Protection</b>	Wear protective gloves/clothing.
<b>Respiratory Protection</b>	Maintain adequate ventilation.

**Hygiene Measures**

Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, colorless	<b>Odor</b>	None
<b>Physical State</b>	Liquid	<b>pH</b>	5
<b>Flash Point</b>	Not applicable	<b>Boiling Point/Range</b>	ca. 100°C/212°F
<b>Freezing Point</b>	No information available		

<b>Solubility</b>	Soluble	<b>Evaporation Rate</b>	No data available
<b>Vapor Pressure</b>	No data available		

## 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions of use and storage.

**Incompatible Products** Strong oxidizing agents.

**Hazardous Decomposition Products** Sodium and phosphorous oxides may form when heated to decomposition. Sulfur oxides (SO<sub>x</sub>).

**Hazardous Polymerization** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium polystyrene sulfonate	16 g/kg ( Rat )	None Known	None Known
Water, distilled	None Known	None Known	None Known

**Chronic Toxicity**

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium polystyrene sulfonate	None Known	None Known	None Known	None Known
Water, distilled	None Known	None Known	None Known	None Known

**Endocrine Disruptor Information**

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Sodium polystyrene sulfonate	None Known	None Known	None Known
Water, distilled	None Known	None Known	None Known

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Sodium polystyrene sulfonate	None Known	None Known	None Known	None Known
Water, distilled	None Known	None Known	None Known	None Known

Chemical Name	Log Pow
Sodium polystyrene sulfonate	None Known
Water, distilled	None Known

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method**

Dispose of in accordance with local regulations. When in compliance with local regulations, neutralize reagent to pH 7 with dilute base (NaOH/soda ash/slaked lime), then rinse to drain with excess water .

**Contaminated Packaging**

Dispose of in accordance with local regulations.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Sodium polystyrene sulfonate - 25704-18-1	None Known	None Known	None Known	None Known
Water, distilled - 7732-18-5	None Known	None Known	None Known	None Known

## 14. TRANSPORT INFORMATION

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG/IMO**

Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

Component	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium polystyrene sulfonate 25704-18-1 ( 5 )	XU	X	EINECS/ELINCS	ENCS	X	KE-13274	PICCS	X
Water, distilled 7732-18-5 ( to 100% )	Present	X	X	ENCS	X	KE-35400	X	X

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Sodium polystyrene sulfonate	25704-18-1	5	None Known
Water, distilled	7732-18-5	to 100%	None Known

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium polystyrene sulfonate 25704-18-1 ( 5 )	None Known	None Known	None Known	None Known
Water, distilled 7732-18-5 ( to 100% )	None Known	None Known	None Known	None Known

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Sodium polystyrene sulfonate	25704-18-1	5	None Known	None Known	None Known	None Known
Water, distilled	7732-18-5	to 100%	None Known	None Known	None Known	None Known

**CERCLA**

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium polystyrene sulfonate	None Known	None Known
Water, distilled	None Known	None Known

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

Chemical Name	CAS-No	California Prop. 65
Sodium polystyrene sulfonate	25704-18-1	None Known
Water, distilled	7732-18-5	None Known

**U.S. State Right-to-Know Regulations**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium polystyrene sulfonate	None Known	None Known	None Known	None Known	None Known
Water, distilled	None Known	None Known	None Known	None Known	None Known

**International Regulations****Mexico - Grade**



Chemical Name	Carcinogen Status	Exposure Limits
Sodium polystyrene sulfonate	None Known	None Known
Water, distilled	None Known	None Known

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

Component	WHMIS Hazard Class
Sodium polystyrene sulfonate 25704-18-1 ( 5 )	Not determined
Water, distilled 7732-18-5 ( to 100% )	Uncontrolled product according to WHMIS classification criteria

**16. OTHER INFORMATION**

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>1</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

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**Revision Note**

Initial Release

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of MSDS**