



150 Monument Road,  
Bala Cynwyd, PA 19004  
800-343-1500 610-668-9090

# Material Safety Data Sheet

complies with:  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200

**IDENTITY** (As Used on Label and List)

**PUROLITE S-940 and S-950 in Sodium form**

CAS #

**135832-78-8**

## SECTION I Manufacturer's Name & Contact Information

## Purolite Hazard Rating

## Scale

The Purolite Company  150 Monument Road  Bala Cynwyd, PA 19004 , USA	Emergency Telephone Number :	Toxicity	1	4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
	610-668-9090	Fire	1	
	Telephone # for Information :	Reactivity	0	
	610-668-9090	Special	-	
Date Prepared :	October 2003			

## SECTION II Ingredients/Identity Information

Components (Specific Chemical Identity: Common Name(s))	OSHA	PEL	ACGIH TLV	Other Limits
Styrene-divinylbenzene copolymer with aminophosphonic acid functional group in the sodium form - 40 - 60%	N/A	N/A	N/A	N/A
Water -- 40 - 60%				

## SECTION III Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	Approx 1.1	Solubility in Water	Insoluble
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Appearance and Odor	Opaque beige spherical beads without odor		

## SECTION IV Fire and Explosion Hazard Data

Flash Point (Method Used)	None	Flammable Limits auto/ign. 427°C / 800°F (estimated)  No flash point	LEL	UEL
			N/A	N/A
Extinguishing Media	CO <sub>2</sub> , Dry chemical, Water fog			
Special Fire Fighting Procedures	Wear MSHA /NIOSH approved, pressure demand, self contained breathing apparatus			
Unusual Fire and Explosion Hazards	None			

## SECTION V - Reactivity Data

Stability	Stable	Conditions to Avoid	Avoid temperatures over 220°C (424°F)
Incompatibility (Materials to Avoid)	Avoid contact with concentrated nitric acid, or strong oxidizing agents.		
Hazardous Decomposition or Byproducts	CO, CO <sub>2</sub> , Styrene monomer, Divinylbenzene, Oxides of nitrogen		

Hazardous Polymerization	Will not occur	Conditions to Avoid	N/A
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<b>SECTION - VI Health Hazard Data</b>							
Route(s) of Entry:	N/A	Inhalation?	N/A	Skin?	N/A	Ingestion?	N/A
Health Hazards (Acute and Chronic)	Eye Contact: Like other foreign bodies, particles may cause mechanical irritation of the eye						
Carcinogenicity:	N/A	NTP?	N/A	IARC Monographs?	N/A	OSHA Regulated?	N/A
Signs and Symptoms of Exposure	N/A						
Medical Conditions Generally Aggravated By Exposure	N/A						
Emergency and First Aid Procedures	Eye contact: Flush with large amount of water for at least 15 minutes. Consult physician if irritation persists						

<b>SECTION VII - Precautions for Safe Handling and Use</b>	
Steps to be Taken in Case Material is Released or Spilled: Resin beads on floor may mechanically cause floor to be slippery. Use care to avoid falls. Sweep up and transfer to containers for recovery or disposal	
Waste Disposal Method	Dispose of in accordance with Federal, State and Local Regulations
Precautions to be Taken in Handling and Storing:	Keep drums and plastic bags sealed to prevent drying or moisture loss.
Other Precautions:	Store below 49° (120°F) and above 0°C (32°F)

<b>SECTION VIII - Control Measures</b>				
Respiratory Protection (Specify Type)	None			
Ventilation	Local Exhaust	Normal room ventilation	Special	N/A
	Mechanical (General)	N/A	Other	N/A
Protective Glove:	Cloth gloves	Eye Protection:	Safety glasses (ANSI Z 87.1)	
Other Protective Clothing or Equipment	None			
Work/Hygienic Practices	Cleanliness is recommended.			