



ION EXCHANGE RESINS
 150 Monument Rd,
 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 A-520E resin in the chloride form

SECTION 1 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 :	November 2004			

SECTION II Ingredients/Identity Information				
Components (Specific Chemical Identity: Common Name(s))	OSHA	PEL	ACGIH TLV	Other Limits
Quaternary amine styrene divinylbenzene copolymer in the Chloride form 35% - 65% Water 35% - 65%	N/A	N/A	N/A	N/A

SECTION III Physical/Chemical Characteristics					
Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	Approx 1.2	Solubility in Water	Negligible
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	Spherical beads with slight amine (fishy) odor when new		

SECTION IV Fire and Explosion Hazard Data				
Flash Point (Method Used)	None	Flammable Limits auto/ign. 427°C / 800° F (estimated)	LEL	UEL
		No flash point	N/A	N/A
Extinguishing Media	CO ₂ 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 ₂ , Styrene monomer, N(CH ₂ OH), NH ₃ , Divinylbenzene		
Hazardous Polymerization	Will not occur	Conditions to Avoid	N/A

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SECTION - VI Health Hazard Data							
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	Eye Contact: Like other foreign bodies, particles may cause mechanical irritation of the eye						
Emergency and First Aid Procedures	Eye contact: Flush with large amount of water for at least 15 minutes. Consult physician if irritation persists						
SECTION VII - Precautions for Safe Handling and Use							
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)						
SECTION VIII - Control Measures							
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.						