

PUROLITE®

ION EXCHANGE RESINS

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 C-100 ELT Ion Exchange Resin

SECTION I

Manufacturer's Name The Purolite Company	Emergency Telephone Number 610-668-9090
Address (Number, Street, City, State, and ZIP Code) 150 Monument Road Bala Cynwyd, PA 19004	Telephone Number for Information 610-668-9090
U.S.A.	Date Prepared January 1998
	Signature of Preparer (optional)

SECTION II Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
None				

SECTION III Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	1.27
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Insoluble		
Appearance and Odor	Amber spherical beads without odor, pH aqueous slurry 5 to 7		

SECTION IV Fire and Explosion Hazard Data

Flash Point (Method Used) No flash point	Flammable Limits auto/ign. 427°C/800°F (estimated)	LEL	UEL
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

C-100, ELT

Stability	Unstable		Conditions to Avoid
	Stable	X	
Avoid temperatures over 220°C (428°F)			
Incompatibility (Materials to Avoid)			
Avoid contact with concentrated nitric acid, or strong oxidizing agents.			
Hazardous Decomposition or Byproducts			
SO ₂ , SO ₃ , CO, CO ₂ , Styrene monomer, divinylbenzene.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

SECTION VI - Health Hazard Data

Route(s) of Entry:	N/A	Inhalation?	Skin?	Ingestion?
Health Hazards (Acute and Chronic)				
N/A				
Carcinogenicity:	N/A	NTP?	IARC Monographs?	OSHA Regulated?
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 amounts 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	
This material can be disposed of as ordinary trash.	
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°C (120°F) and above 0°C (32°F)	

SECTION VIII - Control Measures

Respiratory Protection (Specify Type)		
None		
Ventilation	Local Exhaust	Normal room ventilation
	Special	
	Mechanical (General)	Other
Protective Gloves	None	Eye Protection
		Safety glasses (ANSI Z 87.1)
Other Protective Clothing or Equipment		
None		
Work/Hygienic Practices		
Cleanliness is recommended.		