



**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

<b>IDENTITY</b> (As Used on Label and List)		<b>PUROLITE ArsenX<sup>NP</sup></b>			
CAS #					
<b>SECTION 1 Manufacturer's Name &amp; Contact Information</b>			<b>Purolite Hazard Rating</b>		<b>Scale</b>
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 :	Aug. 2007				
<b>SECTION II Ingredients/Identity Information</b>					
Components (Specific Chemical Identity: Common Name(s))		OSHA	PEL	ACGIH TLV	Other Limits
Quaternary amine styrene divinylbenzene copolymer in the Chloride/Iron Oxide Form - 35% - 65% Water 35% - 65%		N/A	N/A	N/A	N/A
<b>SECTION III Physical/Chemical Characteristics</b>					
Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	Approx 1.3	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 dark brown slight amine odor when new		
<b>SECTION IV Fire and Explosion Hazard Data</b>					
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 <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			
<b>SECTION V - Reactivity Data</b>					
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, N(CH <sub>2</sub> OH), NH <sub>3</sub> , Divinylbenzene			
Hazardous Polymerization	Will not occur	Conditions to Avoid	N/A		

## PUROLITE ArsenX<sup>np</sup>

### 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) None			
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.		

### SECTION IX – Regulatory Information

Workplace Classification: <a href="http://www.osha.gov/OshStd_toc/OSHA_Std_toc.html">http://www.osha.gov/OshStd_toc/OSHA_Std_toc.html</a>	Non-Hazardous under 29 CFR 1910.1200
DOT Classification: <a href="http://www.dot.gov/">http://www.dot.gov/</a>	Non-Regulated under 49 CFR 172.101 (Class 50 – Harmonized Code 3914.00.0000)
RCRA Hazardous Waste No: <a href="http://www.epa.gov/rcraonline/">http://www.epa.gov/rcraonline/</a>	Not Listed (40 CFR 261.33)
CERCLA Hazardous Substance: <a href="http://www.epa.gov/superfund/whatissf/cercla.htm">http://www.epa.gov/superfund/whatissf/cercla.htm</a>	Not Listed (40 CFR 302.4)
SARA Toxic Chemical: <a href="http://www.epa.gov/swercepp/rules/epcra.html">http://www.epa.gov/swercepp/rules/epcra.html</a>	Not Listed (40 CFR 372.65)
SARA Extremely Hazardous Substance:	Not Listed (40 CFR 355)
OSHA Specifically Regulated Substance: <a href="http://www.osha.gov/">http://www.osha.gov/</a>	Not Listed (29 CFR 1910)
TSCA Status: <a href="http://www.epa.gov/region5/defs/html/tsca.htm">http://www.epa.gov/region5/defs/html/tsca.htm</a>	Listed on the TSCA Inventory

Abbreviations Used:

ACGIH TLV - American Conference of Government Industrial Hygienists Threshold Limit Value; ANSI – American National Standards Institute; CAS RN – Chemical Abstracts Registry Number; CERCLA – Comprehensive Environmental Response Compensation, and Liability Act; CFR – Code of Federal Regulations; DOT – Department of Transportation; IARC –International Agency for Research on Cancer; LEL – Lower Explosive Limit; MSHA – Mine Safety and Health Administration; N/A – Not Applicable; NIOSH –National Institute of Occupational Safety and Health; NTP – National Toxicology Program; OSHA PEL – Occupational Safety and Health Administration Permissible Exposure Limit; RCRA – Resource Conservation and Recovery Act; SARA – Superfund Amendments and Reauthorization Act; TSCA – Toxic Substances Control Act; UEL – Upper Explosive Limit.