



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-920 Chelating IonExchange Resin

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 : | January 2003 | | | |

SECTION II Ingredients/Identity Information

| Components (Specific Chemical Identity: Common Name(s)) | OSHA | PEL | ACGIH TLV | Other Limits |
|---|------|-----|-----------|--------------|
| Styrene-divinylbenzene copolymer with thiuronium functional group in the hydrogen 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 ₂ O = 1) | Approx 1.4 | 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 cream spherical beads | | |

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, Divinylbenzene, Oxides of nitrogen and sulfur | | |
| Hazardous Polymerization | Will not occur | Conditions to Avoid | N/A |

PUROLITE S-920 Chelating Ion Exchange Resin

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. | | |