



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

|   |  |   |   |                     |  |              |
|---|--|---|---|---------------------|--|--------------|
| <b>IDENTITY</b> (As Used on Label and List)   |  | <b>PUROLITE S-930 in Hydrogen form</b>                |   |                     |  |              |
| CAS #   | <b>135620-93-8</b>   |   |   |                     |  |              |
| <b>SECTION 1 Manufacturer's Name &amp; Contact Information</b>  |  |   | <b>Purolite Hazard Rating</b>             |                     | <b>Scale</b>   |              |
| The Purolite Company<br><br>150 Monument Road<br><br>Bala Cynwyd, PA 19004 , USA                          | Emergency Telephone Number :   |   | Toxicity                                  | 1                   | 4 = Extreme<br>3 = High<br>2 = Moderate<br>1 = Slight<br>0 = Insignificant |              |
|   | 610-668-9090   |   | Fire                                      | 1                   |  |              |
|   | Telephone # for Information :  |   | Reactivity                                | 0                   |  |              |
|   | 610-668-9090   |   | Special                                   | -                   |  |              |
| Date Prepared :   | April 2004   |   |   |                     |  |              |
| <b>SECTION II Ingredients/Identity Information</b>  |  |   |   |                     |  |              |
| Components (Specific Chemical Identity: Common Name(s))   |  |   | OSHA                                      | PEL                 | ACGIH TLV  | Other Limits |
| Styrene-divinylbenzene copolymer with iminodiacetic acid functional group in the hydrogen form - 40 - 60% |  |   | N/A                                       | N/A                 | N/A  | N/A          |
| Water -- 40 - 60%   |  |   |   |                     |  |              |
| <b>SECTION III Physical/Chemical Characteristics</b>  |  |   |   |                     |  |              |
| Boiling Point   | N/A  | Specific Gravity (H <sub>2</sub> O = 1)               | Approx 1.17                               | 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 |                     |  |              |
| <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, Divinylbenzene, Oxides of nitrogen      |   |   |                     |  |              |
| Hazardous Polymerization  | Will not occur   | Conditions to Avoid                                   | N/A                                       |                     |  |              |

**PUROLITE S-930 in Hydrogen form**

**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:<br>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. |                         |                              |