



**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

|   |                   |   |
|---|-------------------|---|
| <b>IDENTITY</b> (As Used on Label and List) |                   | A200 OH, A300 OH, A300E OH , A300 OH SC, NRW300 in the Hydroxide form for the following particle size grades: Standard (STD), MB, PL, CL, FL, TL, DL Strong, S, C, G and PUROFINE |
| CAS #                                       | <b>69011-16-1</b> |   |

| SECTION 1 Manufacturer's Name & Contact Information                              |                               | Purolite Hazard Rating |   | Scale  |
|--|-------------------------------|------------------------|---|--|
| 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 :  | Nov2004                       |                        |   |  |

## 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 Hydroxide form 35% - 65%<br>Water - 35% - 65% | N/A  | N/A | N/A       | N/A          |

## SECTION III Physical/Chemical Characteristics

|                         |     |   |  |                     |            |
|-------------------------|-----|---|--|---------------------|------------|
| Boiling Point           | N/A | Specific Gravity (H <sub>2</sub> 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                     | Amber spherical beads with slight amine (fishy) odor |                     |            |

## 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 <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   |   |     |     |

## 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 <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                                   |

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| <b>SECTION - VI Health Hazard Data</b>  |   |                         |                              |     |                 |     |
|---|---|-------------------------|------------------------------|-----|-----------------|-----|
| 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 |                         |                              |     |                 |     |
| <b>SECTION VII - Precautions for Safe Handling and Use</b>  |   |                         |                              |     |                 |     |
| 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)  |                         |                              |     |                 |     |
| <b>SECTION VIII - Control Measures</b>  |   |                         |                              |     |                 |     |
| 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.   |                         |                              |     |                 |     |