3159

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MATERIAL SAFETY DATA SHEET
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Phone Number (7:00am-3:00pm, Pacific Time): 800-648-5950 or 775-858-3000
Emergency Phone (24 hours): CHEMTREC: 1-800-424-9300; Outside U.S. 1-202-483-7616

Abbreviations: n/a, not available or applicable; n/d, not or none determined

SECTION 1 – MATERIAL IDENTIFICATION AND INFORMATION

Components	CAS #	wt%	OSHA PEL-TWA	ACGIH TLV-TWA	STEL(OSHA& ACGIH)	ODOR
Poly(styrene-divinylbenzene	Not assigned	100	n/d	n/d	n/d	n/d

This MSDS is for a range of products, all of which contain PRP resin that is dry. These products can be packaged in any volume (cc) or weight (g), and can contain resin having average particle size from 4 to 20μm. Refer to the product label for actual resin volume and particle size. This MSDS does not cover products containing dry PRP resin.

CAS# - Chemical Abstract Service Number OSHA: Occupational Safety and Health Administration
PEL – Permissible Exposure Limit ACGIH – American Conference of Governmental Industrial Hygienist
TWA – Time-Weighted (8 hour) Average (value to which workers can be exposed for a normal 8 hour day, 40-hr week without ill effects)
TLV – Threshold Limit Value STEL – Short-term (15 minutes) Exposure Limit

SECTION 2 – PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: White Cake Odor: None

Melting Point: n/d for polymer Boiling Point: n/d for polymer Specific Gravity: 1.1 for polymer

Vapor Density: Not Volatile Vapor Pressure: n/d Evaporation Rate: n/d

Solubility in water: polymer is insoluble Water reactivity: none

The polymer is not volatile.
Product is hydrophobic; to prepare an aqueous slurry, add water slowly wile mixing.
Product is made of small diameter particles, up to 20μm (refer to product label for actual particle size).

SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

Material is combustible when exposed to heat or flame Flash Point: n/d

Auto-Ignition Temperature: n/d Flammability Limits in Air: n/d

Extinguisher Media: CO^2, Foam, dry chemical

Special Fire Fighting Procedures: Wear self-contained breathing apparatus with full facepeice operated in the positive demands mode when fighting fires.

Unusual Fire and Explosion Hazards: None

SECTION 4 – REACTIVITY HAZARD DATA

Material is stable. Hazardous polymerization will not occur.

Conditions to avoid: n/d

Materials to avoid: Concentrated nitric acid or other strong oxidizing agents

Hazardous Decomposition Products: n/d

SECTION 5 – HEALTH HAZARD DATA

Primary exposure routes: Ingestion, inhalation, eye and skin contact.
Carcinogen Status: Not listed

Health Hazards: If 5-10μm particles are inhaled, they may reach the alveolar region of the lungs and deposit there. To the best of our knowledge, the health effects of this product has not been thoroughly studied.

Signs and Symptoms of Overexposure: Skin or eye irritation; coughing or throat irritation if inhaled.

Medical Conditions Generally Aggravated by Exposure: Chronic respiratory or skin disorders

EMERGENCY FIRST AID PROCEDURES – Seek medical attention for further treatment or observation if necessary

Eye Contact: Flush with copious amounts of water for 15 minutes. Seek medical aid

Skin Contact: Wash thoroughly with soap and water

Inhalation: Remove to fresh air.

Ingestion: Induce vomiting. Consult a physician.

SECTION 6 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: Normal ventilation

Protective Gloves: Thin latex gloves may be used to eliminate skin exposure.

Eye Protection: Wear safety glasses

Other Protective Clothing and Equipment: A dust mask may be worn to prevent inhalation of airborne particles.

Hygienic Work Practices: Keep away from food.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Handling Information and Recommendations: The polymer, if dry, is susceptible to static changing and to dispersement in air. To avoid these conditions and for easier handling, keep the material wet with acetone, water or other liquid.

Steps to be taken if Material is Spilled or Released: Avoid dispersing the dry resin particles into the air. If material is spilled on the floor, it can be slippery. Clean up with soap and water, rinse area with water.

Waste Disposal: **According to local, state and federal regulations.**

Storage Recommendation: Keep container closed and in a cool place. The product can be made safer by storing the polymer in a liquid that is less flammable and less toxic than acetone. If the resin is stored in an aqueous slurry, however, add a microbial-growth inhibitor (such as some methanol, acetonitrile, acetone, or dilute sodium azide solution).