

1843

PRODUCT NAME: PRP -3 Resin (Dry)

MSDS Document # 69165

Rev E RECEIVED  
3/16/09

HAMILTON COMPANY  
4970 Energy Way  
Reno, Nevada 89502

**MATERIAL SAFETY DATA SHEET**  
Date Prepared: March 13, 2009  
Total Number of Pages: 3

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 #	OSHA PEL	ACGIH TLV
Poly(styrene-divinylbenzene )	Not assigned	n/d	n/d
Synonym: PS-DVB	Classification: Polymer		

This MSDS is for a range of products, all of which contain dry PRP-3 resin. These products can be packaged in any volume (cc) or weight (g), and can contain resin having average particle size from 5 to 20µm. Refer to the product label for actual resin volume and particle size. This MSDS does not cover products containing dry PRP-3 resin which is acetone-wet.

CAS# - Chemical Abstract Service Number  
 PEL – Permissible Exposure Limit  
 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

OSHA: Occupational Safety and Health Administration  
 ACGIH – American Conference of Governmental Industrial Hygienist  
 STEL – Short-term (15 minutes) Exposure Limit

**SECTION 2 – PHYSICAL/CHEMICAL CHARACTERISTICS**

Appearance: Dry white powder	Odor: Practically Odorless
Melting Point: n/d	Vapor Pressure: n/a
Boiling Point: n/d	Vapor Density: Not volatile
Specific Gravity: 1.1	Evaporation Rate: n/a
Solubility in water: insoluble	Water reactivity: none

Product is hydrophobic; to prepare an aqueous slurry, add water slowly while mixing.  
Product is made of small diameter particles, up to 60µm (refer to product label for actual particle size).

**SECTION 3 – FIRE AND EXPLOSION HAZARD DATA**

Material is combustible when exposed to heat or flame, especially if particulates are airborne.

Flash Point: n/d	Auto-Ignition Temperature: n/d
Flammability Limits in Air: n/d	Extinguisher Media: Foam, dry chemical
Special Fire Fighting Procedures: n/d	
Unusual Fire and Explosion Hazards: n/d	

PERMANENT FILE  
DO NOT REMOVE

**SECTION 4 – REACTIVITY HAZARD DATA**

Material is stable. Hazardous polymerization will not occur. When product is used as intended, i.e. as a chromatographic resin or solid phase extraction sorbent, no reactivity hazards are known to exist.

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 5-10 $\mu$ m 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: n/d

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

Eye Contact: Flush with water

Skin Contact: Wash thoroughly with soap and water

Inhalation: Remove to fresh air.

Ingestion: Okay to 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 dry material is susceptible to static charging and to dispersment in the 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. If the resin is stored in slurry form, use a microbial-growth inhibitor such as methanol, acetonitrile, acetone, or dilute sodium azide solution.

---

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, express or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This document will be revised as more information becomes available. If you have questions contact Hamilton Company.