



## Material Safety Data Sheet

### Product Name

Lumigen® PPD

### Manufacturer

Lumigen, Inc.  
22900 W. Eight Mile Road  
Southfield, Michigan 48033  
Telephone: (248) 351-5600

### Composition/Information on Ingredients

#### Hazardous Components

4-Methoxy-4-(3-phosphatophenyl)spiro[1,2-dioxetane-3,2'-adamantane] disodium salt

CAS Number  
124951-96-8

OSHA PEL  
No

### Hazards Identification

**Acute Effects:** May be irritating to the eyes, skin and upper respiratory tract.

**Chronic Effects:** Unavailable

### First Aid Measures

**Eye or Skin Contact:** Flush with water (at least 15 minutes for eyes).

**Ingestion:** Immediately seek medical attention.

### Fire Fighting Measures

**Extinguishing Media:** Noncombustible, use extinguishing media appropriate to surrounding fire conditions.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus.

**Special Fire and Explosion Hazards:** Emits toxic fumes under fire conditions

### Accidental Release Measures

Wear NIOSH approved respirator or dust mask. Pick up and store in a closed container for waste disposal. Wash spill site after material pickup is complete.

### Handling and Storage

Store at 2-8 °C in amber bottles. Bring to room temperature before opening. Hygroscopic, protect from moisture; keep storage containers tightly sealed. Naturally occurring levels of alkaline phosphatase can cause decomposition; avoid skin contact.

### Exposure Controls/Personal Protection

**Personal Protective Equipment:** Use protective eyewear, chemical-resistant gloves and lab coat.

**Work/Hygienic Practices:** Do not breathe dust. Do not get in eyes, on skin, on clothing; wash thoroughly after handling.

### Physical/Chemical Characteristics

**Appearance and Odor:** Odorless, fine, white powder or crystalline solid

**Density:** Approx. 1.5 g/mL

**Melting Point:** >50°C decomposes

**Solubility in Water:** >100 mg/mL

### Stability and Reactivity

**Incompatibility:** Exposure to alkaline phosphatase or heat causes decomposition. Strong oxidizing and reducing agent

**Hazardous Decomposition Products:** When stored as labeled, no known hazardous decomposition products are formed.

### Toxicological Information

This product has not been tested to determine its hazards.

### Ecological Information

Do not flush to surface water or sanitary sources.

### Disposal Considerations

Treatment, storage and transportation must comply with all Federal, State and Local laws.

### Transport Information

Transportation must comply with all Federal, State and Local laws.

### Regulatory Information

This substance is not listed on the TSCA Inventory of Commercial Substances, and therefore may be used only for scientific experimentation and analysis or for research and development under the supervision of a technically qualified individual.

**Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Lumigen, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.