

# Material Safety Data Sheet

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## Section 1: Chemical Product and Company Identification

Part Name: Red Fluorescent Degradex® PLGA Dry Polymer Microspheres and Nanospheres

Supplier: Phosphorex, Inc., 106 South Street, Hopkinton, MA 01748

## Section 2: Composition / Information on Ingredients

Red fluorescent Poly (D,L-Lactic Acid-co-Glycolic Acid) (50:50) dry microspheres

## Section 3: Hazards Identification

Eyes: No guide established. May cause reversible irritation

Skin Contact: No guide established. May cause reversible irritation

Inhalation: May cause lung irritation

Systemic: Acute: If inhaled in large quantities, may cause reversible lung irritation.

Chronic: If inhaled in large quantities, may cause reversible lung irritation.

Reproductive and developmental toxicity: Ingredients are not considered reproductive or developmental toxicants.

Carcinogenicity: Ingredients are not listed by NTP, IARC or OSHA as carcinogens.

Medical conditions aggravated by exposure: None known.

## Section 4: First Aid Measures

Eyes: Flushing the eye immediately with water for 15 minutes is a good safety practice. If irritation develops, seek medical advice.

Skin: Contact may cause slight irritation. Wash off in flowing water or shower. Wash clothing before reuse. Treat as any contact dermatitis. If burn is present, treat as any thermal burn.

Ingestion: Drink one to two glasses of water and seek medical advice. Induce vomiting if large amounts are ingested.

Inhalation: Remove to fresh air if effects occur. Consult medical personnel.

Systemic & Other Effects: Human effects not established. No specific antidote. Treatment based on sound judgment of physician and the individual reactions of the patient.

## Section 5: Fire Fighting Measures

Flammable/explosiveness: Not flammable. As with all finely divided organic powders, should be considered combustible.

Fire Fighting Instruction: Use extinguishing media appropriate for surrounding fire (water, foam, vaporizing liquid or multipurpose dry chemical).

## Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

*Avoid unnecessary exposure and contact.*

## Section 7: Handling and Storage

Ventilation: Good room ventilation usually adequate for most operations.

Respiratory Protection: None normally needed. In cases where there is a likelihood of inhalation exposure to dried particles, wear NIOSH approved dust respirator.

Storage: Keep tightly sealed to prevent contamination. Store at room temperature in a dry area. Avoid damaging or puncturing containers.

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### **Section 8: Exposure Controls / Personal Protection**

Respiratory Protection: None normally needed. In cases where there is a likelihood of inhalation exposure to dried particles, wear a NIOSH approved dust respirator.

Wash / Hygienic Practices: Wash with soap and water when leaving work area and before eating, smoking, and using restroom facilities.

### **Section 9: Physical and Chemical Properties**

Melting Point: 250°C / 482°F

Density: 1.25-1.35 g/cc

Solubility: Insoluble

Appearance: light blue fluffy powder

### **Section 10: Stability and Reactivity**

Stability: Stable under normal conditions. See Section 7.

Hazardous Decomposition Products: Not known.

Hazardous Polymerization: Will not occur.

### **Section 11: Toxicological Information**

no data

### **Section 12: Ecological Information**

no data

### **Section 13: Disposal Considerations**

All waste containing the product should be specially contained, properly labeled, and stored separately from other facility waste discharges. Dispose of any waste residues according to prescribed federal, state, and local guidelines (e.g., to an appropriately permitted chemical waste incinerator). Rinse waters resulting from spill cleanups should be discharged in an environmentally safe manner.

### **Section 14: Transportation Data**

no data

### **Section 15: Regulatory Information**

no data

### **Section 16: Other Information**

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