



Material Safety Data Sheet

1. Product Identification

Product Name: Fluorescent Melamine Microsphere Suspension or Dyed Melamine Microsphere Suspension

2. Composition/Information on Ingredients

Component	CAS Number	Percentage
Polymer of formaldehyde and 1,3,5-triazine-2,4	064787979	2.5/5
water	007732185	97.5/95
Dyes*	Proprietary	0.1–20(varies depending on product)
surfactant/dispersant	Proprietary	<0.5 (if any)
preservative.	Proprietary	<0.1 (if any)

* Dyes are encapsulated in the polymer microspheres and are not available for biological activity.

3. Hazards Identification

Low hazard for usual industrial or commercial handling.

4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion : Low in toxicity. Induce vomiting if large amounts are ingested.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Treat as any contact dermatitis. If burn is present, treat as any thermal burn.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Physician should stain for evidence of corneal injury.

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

5. Fire Fighting Measures

Flammability/Explosiveness: No data

Fire Extinguishing Media: Water fog

Special Firefighting Methods: No data

Special Information : Use protective clothing and breathing equipment appropriate for

www.spherescientific.com

the surrounding fire.

6. Accidental Release Measures

Ventilate area of leak or spill. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Wear appropriate personal protective equipment as specified in Section 7. Spills: Flush area with water immediately. Avoid unnecessary exposure and contact.

7. Exposure control/Personal protection

Eye protection : Safety glasses with side shields are suggested.

Skin protection: Powder free latex or vinyl gloves are suggested.

Respiratory protection: Respiratory protection for dust and aerosol generation is recommended (e.g., NIOSH approved filtering dust mask).

Engineering controls: Use minimal and directional (away from the user) airflow to minimize worker exposure.

8. Handling and Storage

Keep in a tightly closed container. Protect against physical damage and avoid puncturing containers. Keep from freezing. Store at 4 - 30°C unless otherwise specified on product label or literature. When creating aerosols of fine particles, use minimal and directional (away from the user) airflow.

9. Physical and Chemical Properties

Appearance: White or colored liquid emulsion

Odor: Odorless

Boiling Point: 100°C

Solubility: Microspheres are insoluble

Melting Point: 0°C

Particle Density: 1.51 g/cm³

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Polymerization: Will not occur.

Hazardous Combustion or Decomposition Products: No data

Incompatibilities: No data

Conditions to Avoid: No data

11. Toxicological Information

No data

12. Environmental Information

No data

13. Disposal Considerations

In large amounts, will color streams and rivers. Has practically no biological oxygen demand, but will settle out and form sludge or film. Large amounts may plug up sanitary sewers.

14. Transport Information

www.spherescientific.com

No data

15. Other Information

No data.

Abbreviations

NIOSH: National Institute for Occupational Safety and Health

The information contained herein is in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.