



MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT IDENTIFICATION

Name: Polymer Microsphere Suspension

SECTION 2. PRODUCT COMPOSITION

<u>Component</u>	<u>CAS Number</u>	<u>Formula</u>	<u>Percentage</u>
Solid Polymer Microspheres	9003-53-6	(C ₈ H ₈) _x	< 0.01%
Water	7732-18-5	H ₂ O	> 99.99%

SECTION 3. HAZARDS IDENTIFICATION

CAUTION: May cause lung irritation if inhaled.

SECTION 4. FIRST AID MEASURES

EYE CONTACT: Wash thoroughly with water. If an irritation develops, seek medical attention.

SKIN CONTACT: Wash thoroughly with soap and water. If an irritation develops, seek medical attention.

INHALATION: Remove to fresh air and seek medical attention.

INGESTION: Give one to two glasses of water and seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

FLAMMABILITY/EXPLOSIVENESS: Not considered flammable or explosive.

FIRE FIGHTING INSTRUCTIONS: Use extinguishing media appropriate for surrounding water (water, foam, vaporizing liquid, or multipurpose dry chemical).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Areas covered with spilled microspheres may be slippery. If material is spilled or released, cordon off the area. Collect material by wiping the spill area with a paper towel or disposable wipe, and place materials into an appropriate container. Avoid inhaling the fine particle dust. Discard collected material in containers suitable for proper disposal.

SECTION 7. HANDLING AND STORAGE

When creating aerosols of fine particles, use minimal and directional (away from the user) airflow. Keep tightly sealed to prevent contamination. Store between 4°C to 30°C unless otherwise specified on the product label or literature. Avoid damaging or puncturing containers.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION: None needed if product remains sealed.

SKIN PROTECTION: None needed if product remains sealed.

RESPIRATORY PROTECTION: None needed if product remains sealed.

ENGINEERING CONTROLS: None needed if product remains sealed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	100°C (as water)	SOLUBILITY IN WATER:	Microspheres are insoluble
MELTING POINT:	0°C (as water)	PERCENT VOLATILE:	Negligible
MOLECULAR WEIGHT:	Not applicable/mixture	VAPOR PRESSURE:	Negligible
POLYMER DENSITY:	1.05 g/cm ³	VAPOR DENSITY:	Negligible
SUSPENSION DENSITY:	1.0 to 1.05 g/cm ³	APPEARANCE,COLOR,ODOR:	Colorless liquid, odorless

SECTION 10. STABILITY AND REACTIVITY

STABILITY:	Stable.
INCOMPATIBILITY:	None known.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not known.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

See Section 3. Health Hazards.

SECTION 12. ECOLOGICAL INFORMATION

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Wastes 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 (e.g., appropriately permitted municipal or on-site wastewater treatment facility or be collected for disposal according to prescribed federal, state and local guidelines).

SECTION 14. TRANSPORTATION INFORMATION

HAZARD CLASS:	Not classified per U.S. DOT or IATA.
UN NUMBER:	Not assigned per U.S. DOT or IATA.

SECTION 15. REGULATORY INFORMATION

HAZARD LABELING:	None.
EU RISK AND SAFETY PHRASES:	None required.
CALIFORNIA PROPOSITION 65:	Not regulated.

SECTION 16. OTHER INFORMATION

No additional information.

The above information is based on data available to us and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it must make their own determination of the effects, properties and protections which pertain to their particular conditions. No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the materials, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material.

3580 Haven Avenue • Redwood City, CA 94063
PH: (650) 365-6567 • (800) 822-3940 • FX: (650) 365-5845
www.spectrex.com • email: info@spectrex.com