

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

- **Catalog Number:** RTG-5-F, RTG-10-F
- **Product Name:** Fmoc-L-Phe-Wang TentaGel® R Resin
- **Description:** Functionalized polystyrene POE copolymer
- **Chemical family:** Resin
- **Recommended Use:** Peptide Synthesis
- **Restrictions on Use:** NA

2. HAZARDS IDENTIFICATION

- **Emergency Overview:** No ingredients are known to be hazardous.
- **Routes of Entry:** Eye contact. Inhalation. Ingestion. Dermal contact.
- **Potential Acute Health Effects:**
 - **Eye:** May cause eye irritation.
 - **Skin/dermal contact:** It is believed possible that very small particles (5 µm or less) may pass through the skin and mucous membranes.
 - **Ingestion:** It is possible to ingest this material.
 - **Inhalation:** Small particles are dangerous if inhaled. There is the possibility that a small fraction of this material may be respirable. It is possible that small particles will remain in the lung. Exposure to large quantities of this material when dry may cause breathing difficulties. Medical conditions aggravated by exposure to small particles may include asthmatic conditions and breathing difficulties in general.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- CAS Number: N/A
- Composition: Styrene/ divinylbenzene POE Copolymer

4. FIRST AID MEASURES

- **Eye Contact:**
 - Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes
 - Get medical attention immediately
- **Skin Contact:**
 - In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes
 - Wash contaminated clothing and shoes before re-use
 - Get medical attention immediately
- **Inhalation:**
 - Remove to fresh air and seek medical advice as to the effect of fine particulate matter in the lung.
 - Get medical attention immediately
- **Ingestion:**
 - If swallowed, wash mouth out with water. Do not induce vomiting unless directed to do so by medical personnel
 - Never give anything by mouth to an unconscious person
 - Get medical attention immediately

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5. FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:**
 - Water spray
 - Carbon dioxide, dry chemical powder or appropriate form
 - Alcohol-resistant foam
 - Carbon dioxide
- **Special Fire Fighting Procedures:**
 - Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- **Unusual Fire or Explosion Hazards:**
 - Emits toxic fumes under fire conditions

6. ACCIDENTAL RELEASE MEASURES

- **Person-related precautionary measures:**
 - Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
- **Environmental protection measures:**
 - Do not allow to enter drains.
- **Procedures for cleaning/absorption:**

Collect material in a sealed container for disposal by an approved method. Ventilate area and wash spill site after material pickup is complete. Mix material with combustible solvent and incinerate in a suitable chemical incinerator equipped with after burner and scrubber

7. HANDLING AND STORAGE

- **Handling:** Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
- **Storage:** Store in a refrigerator. Store under 4°C.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Personal Protection:**
 - **Eye protection:** Use equipment for eye protection (Chemical safety goggles) tested and approved under appropriate government standards such as NIOSH/ (US) or EN 166(EU).
 - **Hand protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
 - **Respiratory protection:** Required when dusts are generated. Filter P 2 (acc. To DIN 3181) for solid and liquid particles of harmful substances. Mechanical exhaust (fume hood).
 - **Skin and body protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place (compatible chemical resistant gloves). The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Keep tightly closed. Store in a cool, dry place.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical Appearance:** Solid, white to yellow powder
- **Odor:** Slight odor
- **Boiling Point:** Does not boil
- **Melting Point:** Degrades before melting
- **Solubility:** NA
- **Miscibility in water:** Not miscible

10. STABILITY AND REACTIVITY

- **Incompatibilities:** Strong oxidizing agents
- **Reactivity/Hazardous Decomposition Products:** Toxic fumes of monomer, hydrogen chloride, carbon dioxide and carbon monoxide may be evolved

11. TOXICOLOGICAL INFORMATION

- **Acute Toxicity:**
 - The toxicological effects of this material have not been fully evaluated. May be harmful by inhalation, ingestion or skin absorption. May cause eye irritation. May cause skin irritation.

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12. ECOLOGICAL INFORMATION

Data not yet available.

13. DISPOSAL CONSIDERATIONS

- Fine dusts may be explosive and should not be ignited. Methods of disposal should meet all local, federal and state laws. Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

14. TRANSPORT INFORMATION

- **Proper Shipping Name:** Fmoc-L-Phe-Wang TentaGel® Resin
- **Transport by Road/Rail (ADR/RID):** Data not yet available

15. REGULATORY INFORMATION

Transport by Road/Rail (ADR/RID): Data not yet available. It is believed that no TLV or OEL has been quoted for this material. Exposure should be kept below 5 mg/m³. Caution must be used when handling this product not to inhale dust.

16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for experienced personnel. GYROS PROTEIN TECHNOLOGIES shall not be held liable for any damage resulting from the handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15(29 CFR 1910.1200(g)(2)).

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