

**SAFETY DATA SHEET**

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**Section 1, Identification**

- **Catalog Number:** RCM-1-A, RCM-5-A, RCM-10-A, RCM-1-RBF, RCM-5-RBF, RCM-10-RBF, RCM-1-NT, RCM-5-NT, RCM-10-NT, RCM-1-DB, RCM-5-DB, RCM-10-DB, RCM-1-CT, RCM-5-CT, RCM-10-CT, RCM-1-QT, RCM-5-QT, RCM-10-QT, RCM-1-EB, RCM-5-EB, RCM-10-EB, RCM-1-G, RCM-5-G, RCM-10-G, RCM-1-HT, RCM-5-HT, RCM-10-HT, RCM-1-I, RCM-5-I, RCM-10-I, RCM-1-L, RCM-5-L, RCM-10-L, RCM-1-KBC, RCM-5-KBC, RCM-10-KBC, RCM-1-M, RCM-5-M, RCM-10-M, RCM-1-F, RCM-5-F, RCM-10-F, RCM-1-P, RCM-5-P, RCM-10-P, RCM-1-SB, RCM-5-SB, RCM-10-SB, RCM-1-TB, RCM-5-TB, RCM-10-TB, RCM-1-WBC, RCM-5-WBC, RCM-10-WBC, RCM-1-YB, RCM-5-YB, RCM-10-YB, RCM-1-V, RCM-5-V, RCM-10-V, RCM-1-HMPB, RCM-5-HMPB, RCM-10-HMPB, RCM-1-HL, RCM-5-HL, RCM-10-HL, RCM-100-HL
- **Product Name:** Preloaded HMPB-ChemMatrix Resin
- **Alternate Name:**
- **Chemical family:** Resin
- **Recommended Use:** Peptide Synthesis
- **Restrictions on Use:**

**Section 2, Hazard(s) Identification**

- **Physical hazards:** Not hazardous
- **Health hazards:** May cause respiratory and skin problems
- **Potential Effects on Health**
  - **Eyes:** May cause slight transient irritation.
  - **Skin contact:** Skin contact may result in allergic sensitization.
  - **Routes of entry:** Inhalation, eye and skin contact, ingestion.
  - **Ingestion:** Irritation of mouth, throat and digestive tract.
  - **Inhalation:** May cause irritation of nose, throat and respiratory tract or an allergic sensitization.
  - **Chronicle:** Prolonged contact may produce defeating of the skin leading to dermatitis.

**Section 3, Composition/information on Ingredients**

- **Component:** Preloaded HMPB-ChemMatrix
- **CAS#:** NA

**Section 4, First-Aid Measures**

- **Eyes:** Flush immediately with plenty of water for at least 15 minutes. Contact physician at once.
- **Skin:** Flush immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. Contact physician. Wash clothing before reuse.
- **Ingestion:** Wash mouth out with water and contact physician at once.

- **Inhalation:** Move into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
  - Contact a physician at once.
- **Remark with the attending practitioner:** treat symptomatically.

### Section 5, Fire-Fighting Measures

- **General Information:** Organic resin.
- **Means of extinction:** Water sprays, carbon dioxide, dry chemical powder or appropriate foam.
- **Auto-ignition temperature:** Not Applicable
- **Flash point:** Not Applicable
- **Explosion limits lower:** Not Applicable
- **Explosion limits upper:** Not Applicable
- **Protective equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- **Unusual fire and explosion hazards:** Thermal decomposition may emit toxic monomer vapors. Product dust/air mixtures may be flammable.

### Section 6, Accidental release measures

- **SPILLS / LEAKS – Measures to be taken:** Wear accurate material protection specified in Section 8. During cleaning spills/leaks area, avoid dispersing dust into air. Collect the spills/leaks into an appropriate close container. Dispose of it in accordance with federal, provincial, local and environmental laws.

### Section 7, Handling and storage

- **Handling:** Handle the product with care.
- **Storage:** Store in closed, original container in a cool, dry area. Store away from strong oxidants. Do not store in direct sunlight. Keep container closed when not in use.

### Section 8, Exposure Controls/Personal Protection

- **Exposure controls:** Use adequate ventilation to keep airborne concentrations low.
- **TVL or suggested control values:** Not Applicable
- **Ventilation:** Provide good general (mechanical) room ventilation. Special local exhaust ventilation is recommended at points where vapors can be released into the workplace air.
- **PERSONAL PROTECTION EQUIPMENT**
  - **Eyes:** Chemical goggles
  - **Skin:** Chemical resistant gloves and suitable protective clothing to prevent skin contact.
  - **Respirators:** The respirator must be approved by the National Institute for Occupational Safety and Health for the substance of concern.
  - **Work practices:** Not Applicable

### Section 9, Physical and Chemical Properties

- **Physical state:** granular powder
- **Color:** White to beige
- **Odor:** Not Applicable
- **pH:** Not Applicable
- **% of volatile weight:** < 3.5%

- **Vapor pressure (mm Hg):** Not Applicable
- **Vapor density (air = 1):** Not Applicable
- **Evaporation rate:** Not Applicable
- **Boiling point:** Not Applicable
- **Freezing point/melting:** Not Applicable
- **Melting point:** Not Applicable
- **Solubility in water (20°C):** Insoluble
- **Specific gravity density:** Not Available

#### Section 10, Stability and Reactivity

- **Chemical stability:** Stable under specified conditions of storage, shipment and/or use. However, avoid temperature above 200°C
- **Conditions to avoid:** Not Applicable
- **Incompatibilities with others material:** Avoid contact with strong oxidizing agents, particularly nitric acid and with concentrated mineral acids.
- **Hazardous decomposition products:** Thermal decomposition may yield toxic fumes as monomer, carbon dioxide, and/or carbon monoxide.
- **Hazardous polymerization:** Will not occur.

#### Section 11, Toxicological information

- **LIMIT OF EXPOSURE TO THE PRODUCT:** Minimum of exposure.
- **DL50:** Not Available
- **CL50:** Not Available
- **Carcinogenicity:** Not Available

#### Section 12, Ecological information\*

- **Ecotoxicity:** Not Available

#### Section 13, Disposal considerations\*

- Eliminate in accordance with the local, provincial and federal rules.

#### Section 14, Transport information\*

- **ONU Number:** Not regulated
- **TMD Classification:** Not regulated
- **Group packing:** Not regulated
- **DOT Classification:** Non hazardous, not regulated

#### Section 15, Regulatory information\*

- **In accordance with RPC.** This product was classified in accordance with the criteria of danger stated in the RPC and the signalitic card contains all the information required by the RPC.
- **COMPLIANCE:** This product may contain substances not listed on the EPA Toxic Substances Control Act Inventory; also this product may contain substances not listed on the Canadian Domestic Substances List; only R&D activities can be carried out with this product and such activities must be performed by or under the supervision of a technically qualified individual



## **Section 16, Other Information**

The information accumulated herein is believed to be accurate but is not warranted to be whether origination with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Gyros Protein Technologies.

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