Store at 4°C

PolyMAC® Phosphopeptide Enrichment Kit Titanium-based

TYMORA ANALYTICAL OPERATIONS, LLC

MSDS

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I. Identification

Product name: Spin-Tip PolyMAC-Ti Phosphopeptide Enrichment Kit

CAS number: N/A

Catalog number: 707 group

II. Composition, Information on Ingredients

PolyMAC reagent: In accordance with 29 CFR 1910.1200(d), PolyMAC reagents are not considered to be hazardous. They are mixtures that contain no known hazardous or carcinogenic chemicals. The mixture also includes non-hazardous silica beads in water.

Loading Buffer: Slightly acidic non-hazardous solution in water and 50% acetonitrile.

Washing Buffer 1: Slightly acidic non-hazardous solution in water and 80% acetonitrile.

Washing Buffer 2: Slightly acidic non-hazardous solution in water and 80% acetonitrile.

Elution Buffer: Slightly basic non-hazardous water solution.

III. Health Hazard Data

Emergency Overview: No specific hazard.

Routes of Entry: Avoid ingestion and inhalation, avoid contact with skin, eyes.

Threshold Limit Value (TLV) and Source: Data not available. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated.

Potential Acute Health Effects: may cause skin, eye, or lung irritation. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated. Allergy-prone individuals should be particularly cautious.

Carcinogenic Effects Data: Not available.

Chronic Effects of Overexposure: Not available.

Solubility in water: Liquids readily miscible in water.

IV. Emergency and First Aid Procedures

Swallowing: If any component of this kit is swallowed, wash mouth out with water and induce vomiting, provided person is conscious. Get immediate medical attention.

Skin: If any component contacts the skin, immediately wash skin with soap and copious amounts of water.

Inhalation: If any component is inhaled, remove the individual to fresh air. If not breathing, perform CPR and get immediate medical attention.

Eyes: If any component contacts the eyes, flush the eyes with copious amounts of water for at least 15 minutes. Get immediate medical attention.

V. Fire and Exposure Hazard Data

Flammability: May be combustible at high temperature or near an open flame.

Flash points: Not available.

Extinguishing media: Use dry chemical.

Special fire fighting procedures: Wear NIOSH/MSHA approved self-contained breating apparatus and protective clothing.

Unusual fire and explosion hazards: None known.

VI. Physical Data

All kit components

Physical State: solutions
Appearance: clear
Boiling Point: decomposes
Vapor Point: not available
Vapor Density: not available
Specific Gravity: not available
Melting Point: not available
Evaporation Rate: not available
Solubility in water: solutions are dilutable

VII. Stability/Reactivity

Stability and Reactivity: The product is stable.

Conditions to avoid: Extensive or extreme heat.

Materials to avoid: not available

Hazardous Decomposition products: not available.

VIII. Toxicology Information

Toxicity to Animals: LD50: not available, LC50: not available.

Chronic Effects on Humans: not available.

Other Toxic Effects on Humans: may cause slight irritation in case of eye contact, inhalation or ingestion.

IX. Spill and Leak Procedures

Steps to be taken of material is spilled or released: Wear lab coat, chemical resistant gloves and safety goggles. Wipe up spill with a suitable absorbant and dispose property as hazardous waste. Wash down the spill site.

Waste disposal method: Dispose of as hazardous waste in accordance with all federal, state and local regulations.

X. Special Precautions

Precautions to be taken in handling and storage: This products is sold only for research use by personnel familiar with the toxicology of organic and acidic chemicals and who are trained in good laboratory habits, such as avoiding spills, wearing chemical resistant gloves at all times during experiments, and not rubbing eyes with hands while working in the laboratory.

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 experience personnel. Tymora Analytical Operations, LLC shall not be held liable for any damage resulting from the handling of or from contact with the above product. The burden of safe use of this material rests entirely with the user.