

Safety Data Sheet

MANUFACTURER

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General Information

Trade Name: Hydrophobic Interaction Chromatography (HIC) Buffer Set.
Part No. Covered by this SDS: CM02025-1000ML

Product Content

Each buffer set includes two buffer bottles:

- 1) CM02025-1000ML:
 - a. CM02025.1-1000ML, HIC Buffer A: 0.1M sodium phosphate buffer, 1.8 M ammonium sulfate, pH 7.0 when dissolved in 1 L of water. **As solid powder.**
 - b. CM02025.2-1000ML, HIC Buffer B: 0.1M sodium phosphate buffer, pH 7, when dissolved in 1 L of water. **As solid powder**

Handling and Storage for Hazardous Chemicals

Handling for **Hydrophobic Interaction Chromatography (HIC) Buffer Set**: See attached supplemental information.

Transportation

DOT (US): Not dangerous goods.
IATA: Not dangerous goods.
IMDG: Not dangerous goods.

Supplemental information starts from next page.

Specific Fire Hazards: As in any fire, always wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear. Use water spray to keep fire exposed containers cool. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.

Specific Explosion Hazards: No information available

Fire Fighting Media: Use water spray, or appropriate foam.

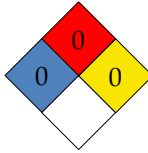
5.2. NFPA

Health Rating: 0

Flammability Rating: 0

Reactivity: 0

Specific Hazard: N/A



SECTION 6. Accidental Release Measures

Wear appropriate personal protective equipment. Isolate hazard area. Do not flush to sewer. Sweep up and shovel into suitable, closed containers for disposal.

SECTION 7. Handling and Storage

Handling: Phosphate buffers are generally safe to handle and should be handled using appropriate personal protective equipment.

Storage: Hydrophobic Interaction Chromatography HIC Buffer Set is stable at ambient temperature for years.

SECTION 8. Exposure Controls/Personal Protection

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Appropriate engineering controls: General industrial hygiene practice.

Skin Protection: Wear impervious protective clothing, including gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 9. Physical and Chemical Properties

Appearance: White powder or crystals.

Odor: No information available.

Solubility: Soluble in water.

Specific Gravity: No information available.

pH: ~7.0 when dissolved in water as directed (HIC Buffer A and HIC Buffer B).

Melting Point: No information available.

Boiling Point: No information available.

Vapor Density (Air=1): No information available.

Vapor Pressure (mm Hg): No information available.

Evaporation Rate (BuAc=1): No information available.

SECTION 10. Stability and Reactivity

Stability: Stable at ambient temperature.

Hazardous Decomposition Products: May decompose into ammonia.

Fire Conditions: Nature of decomposition products not known, may produce ammonia.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizers.

Conditions to Avoid: No data available.

SECTION 11. Toxicological Information

Oral LD50: No data available.

Chronic Effects on Humans: No data available.

Other Toxic Effects on Humans: No data available.

Special Remarks on Toxicity to Animals: No data available.

Special Remarks on Chronic Effects on Humans: No data available.

Special Remarks on other Toxic Effects on Humans: No data available.

SECTION 12. Ecological Information

Environmental Fate: No information available.

Environmental Toxicity: No information available.

SECTION 13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14. Transport Information

DOT (US): Not dangerous goods.

IATA: Not dangerous goods.

IMDG: Not dangerous goods.

SECTION 15. Regulatory Information

OSHA Hazards: Eye irritant.

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Eye irritation.

Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components: No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right to Know Components: No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16. Other Information

References: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and WHMIS Controlled Products Regulation, Chemical Abstract databases, Superfund Amendments and Reauthorization Act (SARA) and other similar compound's SDS.

Other Special Considerations: Not available

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Product Use: Laboratory Reagent

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