



# Safety Data Sheet

## MANUFACTURER

CellMosaic, Inc.

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## General Information

**Trade Name:** Hydrophobic Interaction Chromatography (HIC) Buffer Set.

**Part No. Covered by this SDS:** CM02025-250ML, CM02025-500ML, CM02025-1L

## Product Content

Each buffer set includes two buffer bottles:

- 1) CM02025-250ML: Buffer A: 250 mL of 0.1M sodium phosphate buffer, 1.8 M ammonium sulfate, pH 7.0 + Buffer B: 200 mL of 0.1M sodium phosphate buffer, pH 7.0.
- 2) CM02025-500ML: Buffer A: 500 mL of 0.1M sodium phosphate buffer, 1.8 M ammonium sulfate, pH 7.0 + Buffer B: 400 mL of 0.1M sodium phosphate buffer, pH 7.
- 3) CM02025-1L: Buffer A: 1L of 0.1M sodium phosphate buffer, 1.8 M ammonium sulfate, pH 7.0 + Buffer B: 800 mL of 0.1M sodium phosphate buffer, pH 7.

## 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.**



## Hydrophobic Interaction Chromatography (HIC) Buffer Set

### SECTION 1. Identification of the substance/mixtures and of the company/undertaking

#### 1.1 Product identifiers

Product Name: Hydrophobic Interaction Chromatography (HIC) Buffer Set

Product No.: CM02025-250ML, CM02025-500ML, CM02025-1L

#### 1.2 Detail of the supplier of the safety data sheet

Company: CellMosaic, Inc. 10A Roessler Road, Woburn, MA 01801, Phone: +1 781-463-0002

### SECTION 2. Hazards Identification

#### 2.1. Classification of the substance or mixture

No pictogram necessary

Eye Irritation                      Mildly irritating to eyes (Category 2B)

#### 2.2. GHS Label elements, including precautionary statements.

**Signal Word:** none

**Hazard Statement(s):** None

**Precautionary Statement(s):**

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

### SECTION 3. Composition and Information on Ingredients

**Product Name:** Hydrophobic Interaction Chromatography HIC Buffer Set

**Ingredients:** Each buffer set includes two buffer bottles.

- 1) CM02025-250ML: Buffer A: 250 mL of 0.1M sodium phosphate buffer, 1.8 M ammonium sulfate, pH 7.0 + Buffer B: 200 mL of 0.1M sodium phosphate buffer, pH 7.0.
- 2) CM02025-500ML: Buffer A: 500 mL of 0.1M sodium phosphate buffer, 1.8 M ammonium sulfate, pH 7.0 + Buffer B: 400 mL of 0.1M sodium phosphate buffer, pH 7.
- 3) CM02025-1L: Buffer A: 1L of 0.1M sodium phosphate buffer, 1.8 M ammonium sulfate, pH 7.0 + Buffer B: 800 mL of 0.1M sodium phosphate buffer, pH 7.

Ingredient	CAS No.	Percent	Hazardous
Sodium Phosphate	7558-79-4	1-2% (in water)	No
Ammonium Sulfate	7783-20-2	10-20% (in water)	No

### SECTION 4. First Aid Measures

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Skin Contact:** Wash off with soap and plenty of water.

**Eye Contact:** Flush eyes with water as a precaution.

### SECTION 5. Fire Fighting Measures

#### 5.1. Flammability

Products of Combustion: May decompose into ammonia.

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.



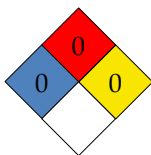
## 5.2. NFPA

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:** PBS buffers are generally safe to handle and shall be handled and use personal protective equipment as required.

**Storage:** Containers which are opened must be carefully closed and kept upright to prevent leakage. HIC Buffer A is stable at ambient temperature for years. Buffer B is stable at ambient temperature for months. For long-term storage, please store at 2-8°C.

## 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:** Clear solution.

**Odor:** No information available.

**Solubility:** No information available.

**Specific Gravity:** No information available.

**pH:** 7.0

**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 under recommended storage condition.

**Hazardous Decomposition Products:** No data available.

**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:** No known OSHA hazards

**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:** No SARA hazards.

**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 MSDS 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

**Created:** March 16, 2019

**Last Updated:** June 28, 2023

**Revision Information:** Version 1

**Product Use:** Laboratory Reagent

#### **Disclaimer:**

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**Prepared by:** CellMosaic, Inc. Health and Safety.