

# Safety Data Sheet

## MANUFACTURER

CellMosaic, Inc.

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## General Information

**Trade Name:** PerKit™ HRP-Protein Conjugation Kit (HMW)

**Part No. Covered by this SDS:** CM52414

## Product Content

- 1) One microcentrifuge tube containing 2 mg of Horseradish Peroxide (HRP) (non-hazardous).
- 2) One microcentrifuge tube containing less than 5 mg of Reagent A.
- 3) One microcentrifuge tube containing 50µL of Reagent B solution (non-hazardous).
- 4) A tube containing 4 mL of Buffer A (non-hazardous).
- 5) A tube containing 4 mL of Buffer B (non-hazardous)
- 6) A tube containing 4 mL of phosphate buffer saline (non-hazardous).
- 7) Plastic bags containing 3 centrifugal filter devices, 2 of 1.5 mL microcentrifuge tubes, and 6 collection tubes (non-hazardous).

## Handling and Storage for Hazardous Chemicals

Handling for **Reagent A**: See attached supplemental information.

## Transportation

None of the components in the kit is regulated for transportation.

## Reagent A

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

#### 1.1 Product identifiers

Product Name: Reagent A

Product No.: CM12101.

#### 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

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 3), H301

For the full text of the H-Statements mentioned in this Section, see Section 16.

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



Signal Word: Danger

Hazard statement

H301- Toxic if swallowed.

Precautionary statement(s)

P264- Wash skin thoroughly after handling.

### SECTION 3. Composition and Information on Ingredients

Ingredient	CAS No.	Percent	Hazardous
The specific chemical identity of the organic compound is being held as a trade secret (Proprietary component)	N/A	99-100%	Yes

### SECTION 4. First Aid Measures

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** If swallowed, DO NOT INDUCE VOMITING without medical advice. Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Skin Contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

### SECTION 5. Fire Fighting Measures

#### 5.1. Flammability

Combustible liquid and vapor. No data available

Flash Point: No data available.

Autoignition Temperature: No data available.

Flammable Limits: No data available.

**Products of Combustion:** May decompose into irritating and highly toxic gases under fire conditions (nitrogen oxides, carbon monoxide, carbon dioxide, sulfur oxides, hydrogen chloride gas).

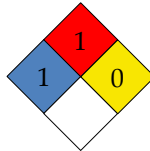
**Specific Fire Hazards:** As in any fire, always wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear. Use water spray to keep fire exposed containers cool. Approach fire from upwind to avoid hazardous vapors and toxic decomposition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

**Specific Explosion Hazards:** No information available.

**Fire Fighting Media:** Use dry chemical, carbon dioxide, water spray, or appropriate foam.

**5.2. NFPA**

Health Rating: 1  
 Flammability Rating: 1  
 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:** Provide appropriate exhaust ventilation at places where dust is formed.

**Storage:** Long-term storage should be at 2-8 °C. Keep container tightly closed in a dry place.

**SECTION 8. Exposure Controls/Personal Protection**

**Airborne Exposure Limits:** None established.

**Ventilation System:** A system of local exhaust ventilation is generally preferred. Breathing apparatus only if aerosol or dust is formed.

**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 to beige powder.

**Odor:** Unpleasant.

**Solubility:** Soluble in water.

**Specific Gravity:** No information available.

**pH:** No information available.

**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:** Hazardous decomposition products formed under fire Conditions.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Strong oxidizers.

**Conditions to Avoid:** Strong acids and strong bases.

### **SECTION 11. Toxicological Information**

**Oral LD50:** Oral - Rat - 300 mg/kg  
(OECD Test Guideline 423)  
**Inhalation:** No data available  
**Dermal:** 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 containers and unused contents in accordance with federal, state, and local requirements.

### **SECTION 14. Transport Information**

**DOT (US):** UN 2811, Class 6.1 Packing Group III, Not Regulated.

**IATA:** UN 2811, Class 6.1 Packing Group III, Not Regulated.

**IMDG:** UN 2811, Class 6.1 Packing Group III, Not Regulated.

**Reportable Quantity (RQ):** No.

### **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.

### **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:** Sept. 7, 2021  
**Last Updated:** Sep. 08, 2023

**Revision Information:** Version 2  
**Product Use:** Laboratory Reagent.

**Disclaimer:**

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