



Safety Data Sheet

MANUFACTURER

CellMosaic, Inc.
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General Information

Trade Name: HRP-MMAE (1:2) Conjugate
Part No. Covered by this SDS: CM53210-0.5MG and CM53210-2MG.

Product Content

1) One or four 1.5 mL centrifuge tube containing 0.5 mg of lyophilized HRP - MMAE (1:2) conjugate.

Handling and Storage for Hazardous Chemicals

Handling **HRP – MMAE (1:2) conjugate:** See Attached Supplement.

Transportation

DOT (US): Not dangerous goods.

IATA: Not dangerous goods.

IMDG: Not dangerous goods.

Supplemental information starts from next page.

HRP-MMAE (1:2) Conjugate

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

1.1. Product Identifiers

Product Name: HRP-MMAE (1:2) Conjugate

Product No.: CM53210-0.5MG, CM53210-2MG

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 4), H302

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

2.2. Label elements, including precautionary statements.

Pictogram:



Signal word: Warning

Hazard statement(s):

H302 - Harmful if swallowed.

Precautionary statement(s):

P264-Wash thoroughly after handling.

P270-Do not eat, drink or smoke when using this product.

P301+P312-IF SWALLOWED: Call a POISON CENTER if you feel unwell.

P330-Rinse mouth.

P501-Dispose of contents/container in accordance with regulations.

2.3. Hazards not otherwise classified (HNOC) or not covered by GHS – no further information available.

SECTION 3. Composition and Information on Ingredients

Substance Name: HRP-MMAE (1:2) conjugate.

Characterization: Protein-drug conjugate consisting of horseradish peroxidase (HRP) linked to a cytotoxic agent that is a derivative of monomethyl auristatin E (MMAE).

Ingredients: 1.5 mL centrifuge tube containing purified and lyophilized 0.5 mg of HRP-MMAE (1:2) conjugate from phosphate buffer saline.

SECTION 4. First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Treat symptomatically.

Inhalation: Remove to fresh air and keep him/her calm. In the event of symptoms get medical treatment.

Skin Contact: Remove contaminated clothes immediately, wash affected skin with water and soap – do not use any solvents.

Eye Contact: Rinse immediately with tap water for 10 minutes – open eyelids forcibly.

SECTION 5. Fire Fighting Measures

5.1. Flammability

Products of Combustion: Carbon oxides.

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 explosion hazard known.

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

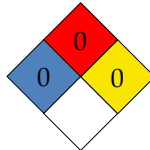
5.2. NFPA

Health: 0

Flammability: 0

Reactivity: 0

Specific Hazard: N/A



SECTION 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist, or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Wash contaminated surfaces with sodium hydroxide solution, $c(\text{NaOH}) = 0.5 \text{ mol/l}$ to 1 mol/l , and rinse with water.

Reference to other sections: For disposal see section 13.

SECTION 7. Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 3.2.

Conditions for safe storage, including any incompatibilities: Store below $-20 \text{ }^\circ\text{C}$ with tightly closed container.

SECTION 8. Exposure Controls/Personal Protection

Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

Body Protection: Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let products enter drains.

SECTION 9. Physical and Chemical Properties

Physical State and Appearance: Brownish lyophilized powder.

Odor: No information available.



Solubility: Soluble in water.

Specific Gravity: No information available.

pH: 6-7 When dissolved in water.

Boiling Point: No information available.

Freezing/Melting Point: No information available.

Flash Point: No information available.

Vapor Density (Air=1): N/A.

Vapor Pressure: N/A.

Evaporation Rate (Butyl acetate =1): No information available.

Partition coefficient; n-octanol/water: No information available.

Autoignition Temperature: No information available.

Decomposition Temperature: No information available.

Viscosity: N/A.

Molecular Formula: N/A.

Molecular Weight: ~47 KDa.

SECTION 10. Stability and Reactivity

Stability: Stable under recommended storage conditions.

Hazardous Decomposition Products: No information available.

Hazardous Polymerization: No information available.

Incompatibilities with Various Substances: No information available.

Conditions to Avoid: No information available.

SECTION 11. Toxicological Information

Inhalation: No data available.

Injection: No data available.

Dermal: No data available.

Eye contact: No data available.

Skin corrosion/irritation: No data available.

Serious eye damage/eye irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

Reproductive Toxicity: No data available.

Specific target organ toxicity – single exposure: No data available.

Specific target organ toxicity – repeated exposure: No data available.

Aspiration hazard: No information available.

Additional information: The classification of this material is based on toxicological information available for the MMAE-derived cytotoxic component and application of GHS bridging principles/read-across methods. No acute oral toxicity testing has been conducted on the final HRP-MMAE conjugate formulation.

SECTION 12. Ecological Information

Environmental Fate: No information available.

Physical: 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): Not dangerous goods.

IATA: Not dangerous goods.

IMDG: Not dangerous goods.

SECTION 15. Regulatory Information

The United States Environmental Protection Agency (USEPA) has not established a Reportable Quantity (RQ) for releases of this material.

In New Jersey, report all releases which are likely to endanger the public health, harm the environment or cause a complaint to the NJDEPE Hotline (1-609-292-5560) and to local officials.

State and local regulations vary and may impose additional reporting requirements.

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 2015 Controlled Products Regulation, Chemical Abstract databases, Superfund Amendments and Reauthorization Act (SARA) and other similar compound's SDS.

Other Special Considerations: Not available.

Created: May 19, 2026

Last Updated: N/A.

Revision Information: Version 1

Product Use: Laboratory Reagent

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