



Safety Data Sheet

MANUFACTURER

CellMosaic, Inc.
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General Information

Trade Name: HRP-MMAE (1:1) Conjugate
Part No. Covered by this SDS: CM53209-0.5MG, CM53209-2MG

Product Content

- 1) One (1) or four (4) vial(s) containing 0.5 mg of HRP-MMAE (1:1) Conjugate as lyophilized powder.

Handling and Storage for Hazardous Chemicals

Handling for **HRP-MMAE (1:1) Conjugate:** See attached supplemental information.

Transportation

DOT (US): Not dangerous goods.

IATA: Not dangerous goods.

IMDG: Not dangerous goods.

Supplemental information starts from next page.

HRP-MMAE (1:1) conjugate

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

1.1. Product identifiers

Product Name: HRP-MMAE (1:1) conjugate

Product No.: CM53209-0.5MG, CM53209-2MG

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



Acute toxicity, Oral GHS Category 4

2.2. GHS Label elements, including precautionary statements

Signal word: WARNING!

Hazard statement(s):

H302 - Harmful if swallowed.

Precautionary statement(s):

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

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 (1:1) 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(s) containing purified and lyophilized 0.5 mg of HRP-MMAE (1:1) conjugate from phosphate buffer saline.

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

Products of Combustion: Will not produce harmful products.

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: Will not explode.

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

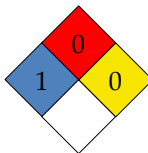
5.2. NFPA

Health Rating: 1

Flammability Rating: 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 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, $c(\text{NaOH}) = 0.5 \text{ mol/L (0.5 M)}$ to 1 mol/L (1 M) , and rinse with water.

Reference to other sections: For disposal see section 13.

SECTION 7. Handling and Storage

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 fire prevention and protection.

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

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 product enter drains.

SECTION 9. Physical and Chemical Properties

Physical State and Appearance: Brownish solid.

Odor: No information available.

Solubility: No information available.

Specific Gravity: No information available.

pH: No information available.

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: 45 KDa.

SECTION 10. Stability and Reactivity

Stability: Stable under recommended storage conditions.

Hazardous Decomposition Products: Will not form hazardous decomposition products.

Hazardous Polymerization: Will not polymerize.

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: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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, typical of a laboratory waste.

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 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: July 31, 2020

Last Updated: June 28, 2023

Revision Information: Version 1

Product Use: Laboratory Reagent

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Prepared by: CellMosaic, Inc. Health and Safety.