

Safety Data Sheet

MANUFACTURER

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General Information

Trade Name: MSA-Deruxtecan
Part No. Covered by this SDS: CM52150-1MG and CM52150-5MG.

Product Content

1) One or five microcentrifuge tube(s) containing 1 mg of lyophilized MSA-Deruxtecan conjugate.

Handling and Storage for Hazardous Chemicals

Handling **MSA-Deruxtecan** conjugate: See Attached Supplement.

Transportation

DOT (US): Not dangerous goods.

IATA: Not dangerous goods.

IMDG: Not dangerous goods.

Supplemental information starts from next page.

MSA-Deruxtecan Conjugate

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

1.1. Product identifiers

Product Name: MSA-Deruxtecan

Product No.: CM52150

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. 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.

SECTION 3. Composition and Information on Ingredients

Substance Name: MSA-Deruxtecan.

Characterization: Protein-drug conjugate consisting of mouse serum albumin (MSA) linked to a cytotoxic agent that is a derivative of Exatecan, namely Deruxtecan.

Ingredients: 1.5 mL centrifuge tube containing purified and lyophilized 1 mg of MSA-Deruxtecan from phosphate buffered 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

Flash Point: Not available.

Autoignition Temperature: Not available.

Flammable Limits: Not available.

Products of Combustion: May decompose into gases under fire conditions (carbon monoxide, carbon dioxide).

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 dry chemicals, carbon dioxide, water spray, or appropriate foam.

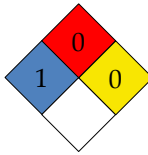
5.2. NFPA

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 vapors, 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: Sweep up and shovel into suitable, closed containers for disposal. Wash and rinse contaminated surfaces 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 preventive fire protection.

Storage: Store below -20 °C with tightly closed container.

SECTION 8. Exposure Controls/Personal Protection

Engineering Controls: Facilities for storing or using the material should be equipped with an eyewash station and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment: Wear protective chemical goggles or other appropriate eye protection. Use compatible chemical-resistant gloves and protective clothing to prevent skin exposure. Always use a NIOSH or European Standard EN 149 approved respirators when necessary.

Full contact Material:

Nitrile rubber.

Minimum layer thickness: 0.11 mm Break through time: 480 min.

Work/Hygienic/Maintenance Practices: Do not take internally.

Exposure Limits: None established.

SECTION 9. Physical and Chemical Properties

Physical State and Appearance: White to off-white lyophilized powder.

Odor: No information available.

Solubility: Soluble in water.

Specific Gravity: No information available.

pH: 7.4 (water solution).

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: ~71 KDa.

SECTION 10. Stability and Reactivity

Stability: Stable under recommended storage conditions.

Hazardous Decomposition Products: Will not decompose to hazardous product.

Hazardous Polymerization: Will not occur.

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.

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.

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Product Use: Laboratory Reagent

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Prepared by: CellMosaic, Inc. Health and Safety.