



Safety Data Sheet

MANUFACTURER

CellMosaic, Inc.
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General Information

Trade Name: Fluorescein-Doxorubicin Conjugate
Part No. Covered by this SDS: CM62102-1MG, CM62102-5MG, or CM62102-10MG.

Product Content

1) 1(one) or 5(five) or 10(ten), 1 mg vial(s) of Fluorescein-Doxorubicin Conjugate.

Handling and Storage for Hazardous Chemicals

Handling for **Fluorescein-Doxorubicin Conjugate:** See Attached Supplement.

Transportation

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

Supplemental information starts from next page.

Fluorescein-Doxorubicin Conjugate

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

1.1. Product identifiers

Product Name: Fluorescein-Doxorubicin Conjugate

Product No.: CM62102

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, Category 4

Skin Irritation: Category 2

Eye Irritation: Category 2A

Carcinogenicity: Category 1B

2.2. GHS Label elements, including precautionary statements.

Signal Word: WARNING, DANGER!

Hazard Statement(s):

H302 – Harmful if swallowed.

H315 – Causes mild skin irritation.

H319 - Causes serious eye irritation.

H350 - May cause cancer

Precaution Statement(s):

P201: Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash skin thoroughly after handling.

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

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

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3. Composition and Information on Ingredients

Ingredient	CAS No.	Percent	Hazardous
Fluorescein-Doxorubicin Conjugate	NA	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. Get medical attention.

Notes to Physician: Treat symptomatically and supportively.

SECTION 5. Fire Fighting Measures

5.1 Flammability

Products of Combustion: Will not produce harmful products. Carbon oxides, nitrogen oxides, sulfur 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: Will not explode.

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

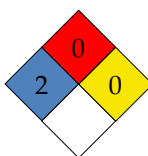
5.2 NFPA

Health Rating: 2

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: Yellow-orange solid.

Odor: No information available.

Solubility: Soluble in methanol, acetonitrile, sodium hydroxide (0.5 M).

Specific Gravity: No data available.

pH: No data available.

Boiling Point: No data available.

Freezing/Melting Point: No data available.

Flash Point: No data available.

Autoignition Temperature: No data available.

Flammable Limits (% in air): No data available.

Vapor Density (Air=1): No data available.

Vapor Pressure: No data available.

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

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

Decomposition Temperature: No information available.

Viscosity: No data available.

Molecular Formula: C₄₈H₄₀N₂O₁₆S

Molecular Weight: 932.91

SECTION 10. Stability and Reactivity

Chemical stability: Stable at room temperature in closed container under normal handling and storage conditions.

Possible of hazardous reactions: No data available.

Hazardous Decomposition Products formed under fire conditions: nitrogen oxides, carbon oxides, sulfur oxides.

Other decomposition products: No data available.

Reactivity: No data available.

Incompatible materials: Strong oxidizing agents.

Conditions to Avoid: Light, prolonged heating above 143 °C (293 °F).

**SECTION 11. Toxicological Information**

I 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: Reasonably anticipated to be a Human Carcinogen.

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 container and unused contents in accordance with federal, state and local requirements, typical of laboratory waste.

SECTION 14. Transport Information

Land Transport (US DOT): Not dangerous goods.

IMDG: Not dangerous goods.

Air Transport (ICAO/IATA): Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

SECTION 15. Regulatory Information

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 (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard.

Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.

Material(s) known to the State of California to cause cancer: None.

Material(s) known to the State of California to cause adverse reproductive effects: None

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: Nov. 2022

Last Updated: N/A

Revision Information: Version 1

Product Use: Laboratory Reagent

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