



Safety Data Sheet

MANUFACTURER

CellMosaic, Inc.

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General Information

Trade Name: PerKit™ Antibody UM171 Conjugation Kit.

Part No. Covered by this SDS: CM11433x1, CM11433x3

Product Content

- 1) One or three 1.5 mL microcentrifuge tubes containing less than 0.4 mg of UM171 NHS (non-hazardous)
- 2) A bottle containing 4 or 12 mL of buffer A (non-hazardous).
- 3) A tube containing 0.5 or 1.5 mL of ADC stabilizing PBS buffer (non-hazardous).
- 4) A plastic bottle containing 20 or 60 mL of Storage Buffer (phosphate buffer saline) (non-hazardous).
- 5) A plastic bag containing centrifugal filter devices, desalting columns, and microcentrifuge tubes (non-hazardous).

Handling and Storage for Hazardous Chemicals

Handling for **UM171 NHS**, See Attached Supplement.

Transportation

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

Supplemental information starts from next page

UM171 NHS

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

1.1 Product identifiers

Product Name: UM171 NHS

Part No.: CM11025.1

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

No pictogram.

2.2. GHS Label elements, including precautionary statements.

Signal Word: None

Hazard Statement(s)

Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.

Precaution Statement(s):

P264 Wash skin thoroughly after handling.

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

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

P321 Specific treatment (see supplemental first aid instructions on this label).

P330 Rinse mouth.

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

SECTION 3. Composition and Information on Ingredients

Ingredient	CAS No.	Percent	Hazardous
UM171-NHS Molecular Formula: C ₃₃ H ₃₄ N ₁₀ O ₅ , Molecular Weight: 650.70	N/A	1-2%	No
The specific chemical identity of the organic solvent is being held as a trade secret (Proprietary component)	N/A	98-99%	No

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 (carbon oxides, nitrogen 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.

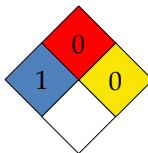
5.2 NFPA

Health Rating: 1

Flammability Rating: 0

Reactivity: 0

Specific Hazard: N/A



SECTION 6. Accidental Release Measures

Avoid raising and breathing dust and provide adequate ventilation. Absorb spilled liquid with sorbent pads, socks, or other inert material such as vermiculite, sand, or earth. Keep away from sources of ignition. Approach the spill from upwind and pick up absorbed material and transfer to a chemical waste container for disposal in accordance with local regulations. Always use proper personal protective equipment as described in section 8.

SECTION 7. Handling and Storage

Precautions: Always use proper personal protective equipment as described in section 8. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Empty containers contain product residue (liquid and vapor) and can be dangerous. Use with adequate ventilation. Avoid breathing vapor or mist.

Storage: Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 °C or below. Keep in a dry place.

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: Colorless liquid.

Odor: No information available.

Solubility: Soluble in organic solvents.

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: C₃₃H₃₄N₁₀O₅

Molecular Weight: 650.70

SECTION 10. Stability and Reactivity

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

Possibility of hazardous reactions: No data available.

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

Other decomposition products: No data available.

Reactivity: No data available.

Incompatible materials: Strong oxidizing agents.

Conditions to Avoid: No data available.

SECTION 11. Toxicological Information

Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied.

SECTION 12. Ecological Information

Toxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility in Soil: No information available.

Results of PBT and vPvB: No information available.

Other adverse effects: No information available.

SECTION 13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state, and local requirements.

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.

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

California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

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

New Jersey Right to Know Components: No components are subject to the New Jersey 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: Dec. 05, 2024

Last Updated: NA

Disclaimer:

Revision Information: Version 1

Product Use: Laboratory Reagent

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Prepared by: CellMosaic, Inc. Health and Safety.