Safety Data Sheet

MANUFACTURER

CellMosaic, Inc.
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General Information

Trade Name: AqT® Fluor 750 Protein Labeling Kit (Surface Amines).
Part No. Covered by this SDS: CM86526x1 and CM86526x3

Product Content

1) One or three tube(s) containing <1 mg of AqT® Fluor 750 Acid (non-hazardous).
2) One tube of 0.15 mL of Activation Buffer (non-hazardous).
3) One tube of 0.40 mL of Dilution Buffer (non-hazardous).
4) One tube of 4 mL or 12 mL of Labeling Buffer (non-hazardous).
5) One tube of 20 mL or 60 mL of Storge (PBS) Buffer (non-hazardous).
6) One tube of 1 mL of Vis-NIR Measurement Buffer (non-hazardous).
7) A plastic bag containing desalting columns and microcentrifuge tubes (non-hazardous).

Handling and Storage for Hazardous Chemicals

Handling for **AqT® Fluor 750 Acid:** See attached supplemental information.

Transportation

DOT (US): Not dangerous goods.
IATA: Not dangerous goods.
IMDG: Not dangerous goods.

Supplemental information starts from next page.

AqT® Fluor 750 Acid

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

1.1 Product identifiers

Product Name: AqT® Fluor 750 Acid.
Product No.: CM86000

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):
H335 – May cause respiratory irritation
Precautionary Statement(s):
P264 – Wash skin thoroughly after handling.
P270 – Do not eat, drink, or smoke when using this product.
P301+P312+P330 – If swallowed: call a poison center/doctor if you feel unwell.
P281 – Use personal protective equipment as required.
P262 – Do not get in eyes, on skin, or on clothing.

SECTION 3. Composition and Information on Ingredients

Ingredient	CAS No.	Percent	Hazardous
CellMosaic's Proprietary AqueaTether® conjugated to a fluorescent dye. The specific chemical identities of the components are being held as a trade secret (Proprietary components).	N/A	99-100%	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.

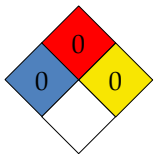
SECTION 5. Fire Fighting Measures

5.1 Flammability

Products of Combustion: CO_2, Nitrogen oxides, water.
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: None
Fire Fighting Media: Use water spray, or appropriate foam.

5.2 NFPA

Health Rating: 0
Flammability Rating: 0
Reactivity: 0
Specific Hazard: N/A



SECTION 6. Accidental Release Measures

Wear appropriate personal protective equipment. Isolate hazard area. Sweep up and shovel into suitable, closed containers for disposal.

SECTION 7. Handling and Storage

Handling: Were gloves, eye protection and lab coat when handling.
Storage: Long-term storage should be at -20 °C. Keep container tightly closed.

SECTION 8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.
Ventilation System: A system of local exhaust ventilation is generally preferred.
Skin Protection: Wear impervious protective clothing, including gloves, lab coat, apron, or coveralls, as appropriate, to prevent skin contact.
Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 9. Physical and Chemical Properties

Appearance: Green blue powder.
Odor: No information available.
Solubility: Soluble in water.
Specific Gravity: No information available.
pH: 6-7 in water solution.
Melting Point: No information available.
Boiling Point: No information available.
Vapor Density (Air=1): No information available.
Vapor Pressure (mm Hg): No information available.
Evaporation Rate (BuAc=1): No information available.
Molecular Weight: NA.
Chemical Formula: NA.

SECTION 10. Stability and Reactivity

Stability: Stable under recommended storage condition.
Hazardous Decomposition Products: None.
Fire Conditions: CO_2 and water.
Hazardous Polymerization: Will not occur.
Incompatibilities: Strong oxidizers.
Conditions to Avoid: Strong acids and strong bases.

SECTION 11. Toxicological Information

Oral LD50: No data available.
Chronic Effects on Humans: No data available.
Other Toxic Effects on Humans: No data available.
Special Remarks on Toxicity to Animals: No data available.
Special Remarks on Chronic Effects on Humans: No data available.
Special Remarks on other Toxic Effects on Humans: No data available.

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.

SECTION 14. Transport Information

DOT (US): Not dangerous goods.
IATA: Not dangerous goods.
IMDG: Not dangerous goods.

SECTION 15. Regulatory Information

OSHA Hazards: No known OSHA hazards.
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 (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards: No SARA hazards.
Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.
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.
California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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: March 01, 2026
Last Updated: NA.

Revision Information: Version 1
Product Use: Laboratory Reagent

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Prepared by: CellMosaic, Inc. Health and Safety