

Material Safety Data Sheet

1. Product and Company Identification

Product Name: Fluorogenic MMP7 Assay Kit

Catalog #: 78864

This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, and agricultural applications.

Manufacturer's Name:

BPS Bioscience Inc.
6405 Mira Mesa Blvd. Suite 100
San Diego, CA 92121
858-202-1401

2. Hazardous Identification

GHS – Classification

Signal Word – not hazardous

Health Hazard – not hazardous

Physical Hazards – not hazardous

Potential Exposure/Health Effects

Eyes May cause eye irritation with susceptible persons
Skin May cause skin irritation in susceptible persons
Inhalation May be harmful by inhalation
Ingestion May be harmful if swallowed

Specific Effects

Carcinogenic effects none
Mutagenic effects none
Reproductive toxicity none
Sensitization none
Target Organ Effects – no known effects under normal use conditions

HMIS

Health	0
Flammability	0
Reactivity	0

3. Composition, Information on Ingredients

MMP7: This product consists of highly purified, synthetically produced protein in aqueous buffer solution. No azide or thimerosal is present. The physical properties of this product have not been investigated thoroughly.

MMP Substrate (1 mM): In DMSO. No azide or thimerosal is present. The physical properties of this product have not been investigated thoroughly.

1x MMP Assay Buffer 1: In aqueous buffer solution. No azide or thimerosal is present. The physical properties of this product have not been investigated thoroughly.

4. First Aid Measures

Skin contact	Rinse with plenty of water. If symptoms arise, call a physician
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration
Notes to physician	Treat symptomatically.

5. Fire Fighting Measures

Suitable extinguishing media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.
Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

6. Accidental Release Measures

Use personal protective equipment. To clean, soak up with inert absorbent material.
Environmental precautions – Prevent further leakage or spillage if safe to do so.

See section 12 for additional information.

7. Handling and Storage

Handling Always wear recommended Personal Protective Equipment. No special handling advice is required.
Storage Keep in a dry, cool and well-ventilated place.

8. Exposure Controls, Personal Protection

Exposure limits No information available
Engineering measures Ensure adequate ventilation, especially in confined areas.
Personal protective equipment (PPE)

PPE requirements depend on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection Impervious gloves.
Eye protection Safety glasses with side shields.
Skin and body protection Lightweight protective clothing.
Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Prevent product from entering drains.

9. Physical and Chemical Properties

General Information

Form	Liquid
Appearance	No information available
Odor	No information available
Boiling point/range	No data available
Melting point/range	No data available
Flash point	No data available
Autoignition temperature	No data available

Oxidizing properties	No information available
Water solubility	Soluble
pH value	~8

10. Stability and Reactivity

Stability	Stable under normal conditions
Materials to avoid	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	None under normal use
Polymerization	Hazardous polymerization does not occur.

11. Toxicological Information

The toxicological impacts of this product have not been investigated thoroughly. No known effects are known under normal use conditions. We recommend handling all chemicals with caution.

Potential Exposure/Health Effects

Eyes	May cause eye irritation with susceptible persons
Skin	May cause skin irritation in susceptible persons
Inhalation	May be harmful by inhalation
Ingestion	May be harmful if swallowed

Specific Effects

Carcinogenic effects	none
Mutagenic effects	none
Reproductive toxicity	none
Sensitization	none
Target Organ Effects – no known effects under normal use conditions	

12. Ecological Information

Ecological information for this product has not been investigated thoroughly. We recommend handling all chemicals with caution.

13. Disposal Considerations

Dispose of in accordance with local regulations.

14. Transport Information

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard class	None
Subsidiary Class	None
Packing group	None
UN-No	None

commodity code : 3822000002

15. Regulatory Information

U.S. Federal Regulations

SARA 313 – not regulated by SARA

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) - product does not contain HAPs.

U.S. State Regulations

California Prop 65 – product does not contain chemicals listed under Proposition 65.

WHMIS Hazard Class

Non-controlled

Product is for in vitro research purposes only. Not intended for use in human or animals.

16. Other Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Date prepared: 5-5-2023

Revision #: 1 **Prepared By:** Henry Zhu

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