

SAFETY DATA SHEET

Version 17.1
Revision Date 12/15/2017

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Bridge-It® L-Tryptophan Fluorescence Assay for Plasma and Serum Samples (FRET and TR-FRET)

Product Number : 1-1-1002TRP-PS384

Brand : Mediomics, LLC

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration; the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

CAS-No. : NONE

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemical

1.3 Details of the supplier of the safety data sheet

Company : Mediomics, LLC
5445 Highland Park Dr.
SAINT LOUIS MO 63110
USA

Telephone : 1-314-971-3028
Fax : 1-314-997-2422

1.4 Emergency telephone number

Emergency Phone # : From 9 AM-6 PM (US eastern time): 1-314-971-3028
After 6 PM (US eastern time): 1-314-997-5918
CHEMTREC 24-Hour Emergency Contact Information: USA: 1-800-424-9300
Canada: 1-613-996-6666
Outside of US/ Canada: 1-703-527-3887

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

None required.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1

Contents description:

Bridge-It® L-Tryptophan Fluorescence Assay for Plasma and Serum Samples (FRET and TR-FRET)

CAS#	EC#	SARA 313
None	None	No

The hazards identified with this kit are those associated with the following substances:

Substances

Name : PEG
Synonym : Polyethylene glycol
Formula : $(C_2H_4O)_n \cdot H_2O$
CAS-No. : 25322-68-3
EC-No. : 203-473-3
Concentration : <20.0%

Name : PCA
Synonym : Perchloric Acid
Formula : $HClO_4$
Molecular Weight : 154.12 g/mol
CAS-No. : 7601-90-3
EC-No. : 231-512-4
Concentration : <5.0%

The product contains no substances which at their given concentration, are considered to be hazardous to health. For additional information, please refer to the individual safety data sheets.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion: If swallowed wash out mouth with water if person is conscious. Call a physician.

Skin Contact: In case of contact, flush skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical advice if irritation develops or persists.

Eye Contact: In case of eye contact, flush eyes with plenty of water for at least 15 minutes.

Assure adequate flushing by separating the eyelids with fingers. Get medical advice if irritation develops or persists.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2.2.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Foam and water spray are effective but may cause frothing.

5.2 Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions.

5.3 Advice for firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

5.4 Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Skin Protection: Wear chemical-resistant gloves and protective clothing. Wash clothing before reuse.

Eye protection: Use chemical-resistant safety glasses. Maintain eye wash fountain in work area.

6.2 Environmental precautions

Spills: Absorb with vermiculite, dry sand, earth or similar material and place into a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer. Ventilate area and wash spill site after pick-up is complete and dispose of all waste in accordance with applicable laws.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not breathe vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed. Store product frozen at -20°C until needed.

7.3 Specific end use(s)

No other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Skin Protection: Wear compatible chemical-resistant gloves. Wash thoroughly after handling. Avoid prolonged or repeated exposure. Wash contaminated clothing before reuse.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Form – Liquid Color – Clear	Vapor Pressure: Not available
Odor: None	Vapor Density: Not available
Odor Threshold: Not available	Relative Density: Not available
pH: Not available	Water solubility: Soluble in water
Melting/Freezing Point/Range: Not available	Partition coefficient: n- octanol/water: Not available
Initial Boiling Point/Range: Not available	Auto-ignition temperature: Not available
Flash Point: Not available	Decomposition Temperature: Not available
Evaporation rate: Not available	Viscosity: Not available
Flammability: Not available	Explosive properties: Not available
Upper/lower flammability or explosive limits: Not available	Oxidizing properties: Not available

9.1 Other safety information

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous polymerization

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Heat, incompatibles.

10.5 Incompatible materials

Incompatible with polymerization catalysts (peroxides, persulfates) and accelerators, strong oxidizers, strong bases and strong acids.

10.6 Hazardous decomposition products

Burning may produce carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

PEG: oral rat LD50: 28g/kg

PCA: oral rat LD50: ≤2000 mg/kg

Routes of exposure:

Multiple routes- May be harmful by inhalation, ingestion or skin absorption. May cause skin and eye irritation.

The toxicological properties of this product have not been thoroughly investigated. Polyethylene glycol has been investigated as a mutagen.

12. ECOLOGICAL INFORMATION

12.1 Environmental Fate

No information found.

12.2 Environmental Toxicity

No information found.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Information

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

14. TRANSPORTATION INFORMATION

DOT (US)

Proper shipping name: None

Non-Hazardous for Transport: This product is considered to be non-hazardous for transport.

IMDG

Not dangerous goods.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

15. REGULATORY INFORMATION

Chemical Inventory Status:	TSCA	EC	Japan	Australia	Canada	Korea
PEG	Yes	No	Yes	Yes	Yes	Yes
PCA	Yes	Yes	Yes	Yes	Yes	Yes

(NA = not available)

Federal, State & International Regulations:

	SARA 302		SARA 313	CERCLA	RCRA	TSCA 8(d)
	RQ	TPQ	List			
PEG (25322-68-3)	No	No	No	No	No	No
PCA	No	No	No	No	No	No

16. OHER INFORMATION

Revision date 19-July-2017
Version 17.1

DISCLAIMER

Intended solely for R & D use. Not for food, drug, household, agricultural, cosmetic or other uses. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge but does not purport to be all inclusive and shall be used only as a guide for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Users should make independent decisions regarding completeness of the information based on all sources available. Mediomics, LLC shall not be held liable for any damage resulting from use or reliance upon the information in this SDS. The burden of safe handling of this product rests with the user.