

SAFETY DATA SHEET



ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

SECTION 1. IDENTIFICATION

Product name ProMTag Multi Lysis Buffer (LB)

Manufacturer or supplier's details

Company Impact Proteomics, LLC

Telephone (412) 206-9735

Responsible Department Impact Proteomics, LLC
1406 Browning Rd.
Pittsburgh PA USA
Tel: (412) 206-9735

Email address info@impactproteomics.com

Emergency telephone 1-800-255-3924
ChemTel Chemical Emergency Response Hotline

Recommended use of the chemical and restriction on use

Recommended use Laboratory chemicals

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Acute toxicity, Oral	Category 4
Acute toxicity, Inhalation	Category 4
Acute toxicity, dermal	Category 4
Skin corrosion	Category 1C
Serious eye damage	Category 1
Short-term (acute) aquatic hazard	Category 3
Long-term (chronic) aquatic hazard	Category 3

GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)
H302 + H312 + H332 Harmful if swallowed, in contact with skin, or if inhaled

SAFETY DATA SHEET



ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

H314 Causes severe skin burns and eye damage
H412 Harmful to aquatic life with long lasting effects

Precautionary statement(s)

P261 Avoid breathing vapors/spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P271 Use in a well-ventilated area.
P273 Avoid release to the environment.
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.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant.

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

Contact with acids liberates very toxic gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Substance Name

ProMTag Multi Lysis Buffer (LB)

Component	Classification	Concentration
Guanidinium thiocyanate CAS-No. 593-84-0	Acute Tox. 4; Skin Corr. 1C; Eye Dam. 1; Aquatic Acute 3; Aquatic Chronic 3; H302, H332, H312, H314, H318, H402, H412	>= 40 - < 50 %

No other components need to be disclosed according to the applicable regulations

SAFETY DATA SHEET



ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

SECTION 4. FIRST AID MEASURES

General advice	Show this material safety data sheet to the doctor in attendance.
If inhaled	After inhalation: fresh air. If breathing stops: mouth-to-mouth breathing or artificial. Call a physician immediately.
In case of skin contact	Wash off immediately with soap and water while removing all contaminated clothes and shoes. Call a physician immediately.
In case of eye contact	Remove contact lenses. Rinse thoroughly with plenty of water. Immediately call in ophthalmologist.
If swallowed	Make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water, foam, carbon dioxide (CO ₂) dry powder
Specific hazards during fire fighting	Carbon oxides, nitrogen oxides (NO _x), sulfur oxides, hydrogen cyanide (hydrocyanic acid), ammonia, combustible, development of hazardous combustion gases or vapors possible in the event of a fire
Special protective equipment for fire-fighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemisorb®). Dispose of properly. Clean up affected area.

Environmental precautions

Do not let product enter drains.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols. Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Conditions for safe storage, including any incompatibilities

Store in tightly closed, original containers in a cool, dry, well-ventilated area. Do not store near acids. Light sensitive.

ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Contains no substances with occupational exposure limit values.

Exposure Controls

Appropriate engineering controls: Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Personal protective equipment

Wear protective gloves and eye protection

Eye protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.
Skin and body protection	<p>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.</p> <p>Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 Footwear protecting against chemicals. Protective clothing.</p>
Respiratory protection	Recommended Filter type: Filter type ABEK Recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.
Hygiene measures	Keep away from food and drink. When using do not eat, drink, or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear/colorless
Physical state	Liquid
Odor	No data available

SAFETY DATA SHEET



ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

Odor Threshold	No data available
pH	No data available
Melting point/range	No data available
Boiling point/range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid gas)	No data available
Explosion limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	No data available
Partition coefficient	No data available
Solubility in water	Soluble

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	This product is chemically stable under standard ambient conditions.
Possibility of hazardous reactions	Generates dangerous gases or fumes in contact with: acids.
Conditions to avoid	No data available
Incompatible materials	Strong acids, strong oxidizing agents, cyanides
Hazardous decomposition products	In the event of fire: see section 5

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity – oral exposure	No data available
Acute toxicity – dermal exposure	No data available

SAFETY DATA SHEET



ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

Acute toxicity – Inhalation	No data available
Skin irritation/corrosion	No data available, mixture causes burns
Serious eye damage/eye irritation	No data available, mixture causes serious eye damage
Repeated dose toxicity	No data available
Carcinogenicity	<p>IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</p> <p>OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA</p>
Mutagenicity	No data available
Specific Target Organ Toxicity from single exposure	No data available
Specific Target Organ Toxicity from Repeated Exposure	No data available
Aspiration hazard	No data available
Additional toxicology information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPVB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	No data available

SAFETY DATA SHEET



ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

SECTION 13. DISPOSAL CONSIDERATIONS

Waste from residues/unused product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SAFETY DATA SHEET



ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

SECTION 14. TRANSPORT INFORMATION

Transportation by land – Department of Transportation (DOT, United States of America)

UN number	1760
UN proper shipping name	Corrosive liquids, n.o.s. (guanidinium, thiocyanate (1:1))
Transport hazard class	8
Packaging group	III
Reportable Quantity (RQ)	

Transportation by air – International Air Transport Association (IATA)

UN number	1760
UN proper shipping name	Corrosive liquids, n.o.s. (guanidinium, thiocyanate (1:1))
Transport hazard class	8
Packaging group	III

SECTION 15. REGULATORY INFORMATION

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Toxic Release Inventory (TRI)

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

Acute health hazard

California Proposition 65

No data available

ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

SECTION 16. OTHER INFORMATION

Document Revision

Last Revision Date: 3/7/24

Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardization; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organization for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

ProMTag Multi Lysis Buffer (LB)

Version 1.1

Revised: March 8, 2024

DISCLAIMER

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and Impact Proteomics, LLC. assumes no legal responsibility or liability whatsoever resulting from its use.