

SAFETY DATA SHEET



Lysis Buffer (LB)

Version 1.1

Revised: October 31, 2019

SECTION 1. IDENTIFICATION

Product name Lysis Buffer (LB)

Manufacturer or supplier's details

Company Impact Proteomics, LLC

Telephone (512) 815-2067

Responsible Department Impact Proteomics, LLC
1406 Browning Rd.
Pittsburgh PA USA
Tel: (512) 815-2067

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 according to regulation (EC) No. 1272/2008 [CLP]

Not a hazardous substance or mixture

Label elements

None required. Not a hazardous substance or mixture

Other hazards

None known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture Mixture

Substance Name Lysis Buffer (LB)

Hazardous ingredients No hazardous ingredients

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SECTION 4. FIRST AID MEASURES

General advice	Show this material safety data sheet to the doctor in attendance
If inhaled	Move to fresh air. If symptoms persist, call a physician
In case of skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
In case of eye contact	Remove contact lenses. Protect unharmed eye. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Obtain immediate medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person
Most important symptoms and effects, both acute and delayed	No information available
Notes to physician	No information available

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Specific hazards during fire fighting	Exposure to decomposition products may be a hazard to health
Hazardous combustion products	No hazardous combustion products are known
Specific extinguishing methods	In the event of fire and/or explosion do not breathe fumes
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus for firefighting if necessary

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid breathing dust, fumes, gas, mist, vapors, or spray.
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Methods and materials for containment and cleaning up	Keep in suitable, close containers for disposal
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SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	Normal measures for preventive fire protection
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Advice on safe handling	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
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Materials to avoid	Do not store near acids
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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with work place control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Hand protection

Remarks	The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information give by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact)
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Eye protection	Safety glasses
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Skin and body protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Footwear protecting against chemicals.
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Hygiene measures	Keep away from food and drink. When using do not eat, drink, or smoke.
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear/colorless
Physical state	Liquid
Odor	Odorless
Odor Threshold	Does not apply
pH	8
Melting point/range	No data available
Boiling point/range	> 100 °C @ 760 mm Hg
Flash point	Not applicable, does not flash
Evaporation rate	No data available
Flammability (solid gas)	Not applicable as the mixture is a liquid
Explosion limits	No data available
Solubility in water	Readily soluble
Explosive properties	No data available
Oxidizing properties	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	When stored at room temperature the product is stable
Possibility of hazardous reactions	No known hazardous reactions
Conditions to avoid	Do not refrigerate as the mixture will precipitate
Incompatible materials	No data available

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	Sodium dodecyl sulphate. Oral toxicity (LD50, rat) 1.288 g per kg Sodium dodecyl sulphate. Inhalation (LC50, rat) >3.9g per m ³ Sodium dodecyl sulphate. Irritation of skin (rabbit) 50 mg/24 hours
Irritation	Irritant to skin and mucous membranes. Irritating to eyes
Corrositivity	No data available
Sensitisation	No sensitizing effects known
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Mutagenicity	No data available
Toxicity for reproduction	No data available

SECTION 12. Ecological Information

Toxicity	Contains a substance which is toxic to aquatic organisms
Persistence and degradability	Soluble in water. Persistence is unlikely
Bioaccumulative potential	Bioaccumulation is unlikely. Log Pow 1.6
Mobility in soil	Likely to be highly mobile due to its solubility in water
Results of PBT and vPVB assessment	No information available
Other adverse effects	None known

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SECTION 13. DISPOSAL CONSIDERATIONS

Waste from residues/unused product	Wash down a foul water drain with water. Wipe up any spills of the solution with absorbent material and water. Dispose of absorbent material in the normal waste.
Contaminated packaging	Rinse with water and dispose of in normal waste according to local regulations. Recycle where appropriate facilities are available.

SECTION 14. TRANSPORT INFORMATION

UN number	Not applicable
UN proper shipping name	Not applicable
Transport hazard class	Not applicable
Packaging group	Not applicable
Environmental hazards	Not applicable

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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SECTION 16. OTHER INFORMATION

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 Standardisation; EC_x - Concentration associated with x% response; EL_x - Loading rate associated with x% response; EmS - Emergency Schedule; ErC_x - 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 Organisation 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, Authorisation 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

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