

## Safety Data Sheet

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### Section 1 - Product and Company Information

Product Name: Easy-Lyse™ Buffer  
Product Form: Liquid  
Product Code: K144

Relevant Identified Uses: For laboratory use

Company: Leinco Technologies, Inc.  
410 Axminister Drive  
St. Louis, Missouri 63026  
Phone: 636-230-9477  
Fax: 636-527-5545

Emergency Phone Number: 314-974-4113

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### Section 2- Hazards Identification

Product Hazard Classification: EU: Xn;R20/21/22-36/ 37/38-40-68

WHMIS: Exempt

US OSHA: Hazardous

Label Elements: GHS-US Labeling not applicable

Other Hazards: None under normal conditions.

Unknown acute toxicity: No data available

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### Section 3- Composition/ Information on Ingredients

Substance: Colorless to amber, clear, nonflammable aqueous solution.



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Mixture:	Hazardous Ingredients	CAS#
	Saponin	8047-15-2
	Sodium Azide	26628-22-8
	Formaldehyde	50-00-0
	Sodium Hydroxide	1310-73-2

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### Section – 4 First Aid Measures

General: Skin, eye and respiratory tract irritant. Harmful if swallowed.

Oral Exposure: If swallowed, rinse mouth thoroughly provided person is conscious. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention/call poison control if you feel unwell.

Inhalation Exposure: If inhaled, remove to fresh air. If not breathing, administer CPR. If breathing becomes difficult, give oxygen. If discomfort persists, seek medical attention. May cause coughing or irritation.

Dermal Exposure: In case of contact, wash skin with soap and copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation persists, call a physician.

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Remove contact lenses if present and easy to do so. Obtain medical attention if pain, blinking or redness persists.

#### Important symptoms and effects

General Symptoms: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: May cause respiratory irritation.

Dermal contact: May cause skin irritation.

Eye contact: May cause slight temporary irritation.

Ingestion: May cause gastrointestinal irritation



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Indication of immediate medical attention needed:  
No additional information available

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### Section – 5 Fire Fighting Measures

Extinguishing Media:

Suitable: Water spray. Noncombustible. Carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable: None known

Special hazards arising from substance or mixture:

Fire Hazard: No data available.

Explosion Hazard: Product is not explosive

Reactivity: No dangerous reactions known under normal conditions of use.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Precautionary Measure: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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### Section – 6 Accidental Release Measures

General Measures: No specific emergency measures are required other than good laboratory hygiene and safety practices.

Procedure to be Followed In Case of Leak or Spill: Exercise appropriate precautions to minimize direct contact with skin or eyes. And prevent inhalation of dust.

Procedures and Personal Precautions: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.



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Methods for Cleaning Up: Sweep up, place in a plastic bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Place in a suitable container for disposal in accordance with the waste regulation. Wash spill area thoroughly with plenty of soap and water.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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### Section – 7 Handling and Storage

Handling: Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment. Keep away from sources of ignition- No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving from work.

Storage: Suitable: Keep container tightly closed and sealed.

Storage Temperature: -20°C

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### Section 8-Exposure Controls/Personal Protection

Control parameters: No data available.

Exposure controls:

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective equipment: Gloves chemically resistant to this material when prolonged and repeated contact could occur. Protective goggles or safety glasses. Wear suitable clothing including long sleeves. Where excessive vapor, mist, or dust may result use appropriate respiratory protection equipment.

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### Section – 9 Physical/Chemical Properties

Physical State: Solid



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Appearance:	Powder
Color:	White
Odor:	No data available.
Odor Threshold:	No data available.
pH:	3-12
Relative evaporation rate:	No data available.
Boiling Point:	No data available.
Melting Point:	No data available.
Freezing Point:	No data available.
Flash Point:	No data available.
Auto-ignition temperature:	No data available.
Decomposition Temperature:	No data available.
Flammability:	No data available.
Relative vapour density at 20°C:	No data available.
Relative Density:	No data available.
Solubility:	Aqueous
Vapor Pressure:	No data available.
Log Pow:	No data available.
Log Kow:	No data available.
Viscosity, kinematic:	No data available.
Viscosity, dynamic:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Explosive limits:	No data available.

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### Section – 10 Stability and Reactivity

Reactivity: No dangerous reactions known under normal conditions of use.

Chemical Stability: Stable under recommended handling and storage conditions.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid repeated freeze thaw cycles.



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Materials to Avoid: None known.

Hazardous Decomposition Products: Nature of decomposition products not known.

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### Section – 11 Toxicological Information

Acute toxicity:	Not classified
Skin corrosion/irritation:	Not classified pH: 3-12
Serious eye damage/irritation:	Not classified pH: 3-12
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (Single exposure):	Not classified
Specific target organ toxicity (Repeated exposure):	Not classified
Aspiration hazard:	Not classified
Symptoms after inhalation:	May cause respiratory irritation. Material may be irritating to mucus membranes and upper respiratory tract.
Symptoms after skin contact:	May cause skin irritation
Symptoms after eye contact:	May cause eye irritation
Symptoms after ingestion:	Harmful if swallowed..
Chronic symptoms:	No data available

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### Section 12-Ecological information

Toxicity:	No information available
Persistence and degradability:	No information available
Bioaccumulative potential:	No information available



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Mobility in soil: No information available

Other adverse effects: No information available

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### Section 13-Disposal conditions

Waste disposal recommendations: Small amounts may be washed down the drain with excess water. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

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### Section 14-Transport information

In accordance with DOT: Not hazardous for transport

Transport by sea: No additional informational available

Air transport: No additional information available

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### Section 15- Regulatory information

US Federal regulations

All chemical substances in this product are listed in the EPA (\*Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory.

International regulations

Canada: No additional information available

US State regulations: California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

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### Section – 16 Other Information



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## Safety Data Sheet

Indication of changes: Revised Format  
Effective date: 2/20/2018

Disclaimer: For Research Use Only. Not for drug, household, therapeutic diagnostic or other uses.

NFPA health hazard: 0-Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard: 0-Materials that will not burn.

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and are not reactive with water.



Warranty: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Leinco Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Copyright 2007 Leinco Technologies, Inc. License granted to make unlimited paper copies for internal use only.



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