

Safety Data Sheet

Section 1 – Product and Company Information

Product Name: 1X ClearFlow Sheath Fluid
10X ClearFlow Sheath Fluid

Product Form: Mixture

Product Identification Number: S621 – 1X ClearFlow
S622 – 10X ClearFlow

Company: Leinco Technologies, Inc
410 Axminister Drive
St. Louis, MO 63026 USA

Emergency Telephone: 636-230-9477
800-538-1145

Recommended Use: For Research Use Only

Section 2 – Hazardous Identification

Classification: GHS-US Not Classified

Label Elements: GHS-US Labeling not applicable

Other Hazards: None under normal conditions.

This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200.

Unknown acute toxicity: No data available

Section 3 – Composition / Information on Ingredients

CAS No/Description.: 7558-79-4 / Sodium Phosphate, Dibasic
7778-77-0 / Potassium Phosphate, Monobasic
7647-14-5 / Sodium Chloride
122-99-6 / 2-Phenoxyethanol



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13235-36-4 / Tetrasodium EDTA Tetrahydrate

Chemical Formula:

Not applicable to mixtures
Trade secret formulation

Section 4 – First Aid Measures

General: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the attending doctor. Wash contaminated clothes prior to reuse. Never give anything to an unconscious person.

Oral Exposure: Wash out mouth with water if person is conscious and immediately call a physician.

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.

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. 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. Call a physician.

Important symptoms and effect

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 irritation.

Ingestion: May cause gastrointestinal irritation.

Indication of immediate medical attention needed:

No additional information available.

Section 5 – Fire Fighting Measures

Extinguishing Media:

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

Unsuitable: None known.

Special hazards arising from substance or mixture:



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Fire Hazard: No data available.
Explosion Hazard: No data available.
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.

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: Wipe up with damp sponge or mop.

Procedures and Personal Precautions: Wear mask, gloves, safety glasses, and lab coat.

Methods for Cleaning Up: Dispose of in accordance with all national, state and local regulations. Wash spill area with soap and water.

Environmental Precautions: Avoid release into the environment. Dispose of in accordance with all national, state and local regulations.

Section 7 – Handling and Storage

Handling: Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Storage: Store 1X and 10X ClearFlow Sheath Fluid at room temperature. Do not freeze.

Storage Temperature: Room Temperature

Section 8 – Exposure Controls/Personal Protection

Control Parameters: No data available



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Exposure Controls: No data available

Personal Protective Equipment: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear mask, gloves, safety glasses, and lab coat.

Section 9 – Physical/Chemical Properties

Physical State:	Solution
Appearance:	Clear liquid
Color:	Clear
Odor:	No data available
Odor Threshold:	No data available
pH:	7.1-7.4
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 vapor 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

Section 10 – Stability and Reactivity

Stability:	Stable
Materials to Avoid:	Cell sorters and systems requiring a preservative free buffer.
Hazardous Decomposition Products:	N/A
Hazardous Polymerization Products:	N/A
Incompatible Materials:	Strong oxidizers



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Section 11 – Other Information

Acute toxicity:	Not classified
Skin corrosion/irritation:	Not classified pH: Neutral
Serious eye damage/irritation:	Not classified pH: Neutral
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified

Section 12 – Ecological Information

Section 13 - Disposal Conditions

Section 14 - Transport Information

Section 15 - Regulatory Information

Section 16 - Other Information

Indication of changes	Corrections Made
Effective Date:	03/20/2024

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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 2012 Leinco Technologies, Inc. License granted to make unlimited paper copies for internal use only.



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