



Material Safety Data Sheet

Product and Information

Product Description: 10X Easy-Lyse™ Lysing System Kit

Product ID Number: K104

Manufacturer: Leinco Technologies, Inc
359 Consort Drive
St. Louis, MO 63011
USA

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

Section 1 – Component 1 Identification

Component Name: 10X Easy-Lyse™ Buffer

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

Section 2 – Hazards Identification

Emergency Overview: -Colorless to amber, clear, nonflammable aqueous solution.
-Skin, eye and respiratory tract irritant.
-Harmful if swallowed.

Physical Hazards: Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.

Potential Health Effects Summary: Exposure may cause skin, eye, and respiratory irritation. Inhalation may cause difficulty in breathing and lung congestion.



Products are for research use only. Not for use in diagnostic or therapeutic procedures.



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Material Safety Data Sheet

**Product Hazard
Classification:**

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

WHMIS:
Exempt

US OSHA:
Hazardous

Section 3 – First Aid Measures

Inhalation: If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact: If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eye lids are held open. If pain or irritation occurs, obtain medical attention.

Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.

Ingestion: If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

Symptoms of Overexposure: Symptoms of overexposure may include: eye, skin, nose and throat irritation; headache, weakness, dizziness, confusion, nausea and vomiting. Severe cases may exhibit difficulty in breathing, irregular heartbeat, reddish colored skin, unconsciousness, convulsions, coma and death. Symptoms may be delayed for several hours after exposure.

Section 4 – Storage, Handling, Disposal and Safety Measures

Fire/Combustion Hazards: No combustion or flammability issues are expected from this product. In the event this product accidentally comes in contact with flame it is recommended to wear self-contained breathing apparatus while extinguishing the fire.

Storage and Stability: This product is stable under normal temperatures and pressures, but should be stored at 2-8°C. Keep away from incompatible chemicals. Do not mix with materials not suggested in data sheet.



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Material Safety Data Sheet

Handling: No special precautions necessary. Use good laboratory procedures.

Disposal: Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Personal Protection: Safety glasses or chemical goggles should be worn to prevent eye contact. Impervious gloves, such as latex or equivalent, should be worn to prevent skin contact.

Section 1 – Component 2 Identification

Component Name: 10X Wash Buffer

<u>Hazardous Ingredients</u>	<u>CAS#</u>
Sodium Azide	26628-22-8
Sodium Hydroxide	1310-73-2

Section 2 – Hazards Identification

Emergency Overview: -Colorless, clear, nonflammable aqueous solution.
-Skin, eye and respiratory tract irritant.
-Harmful if swallowed.

Physical Hazards: Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.

Potential Health Effects Summary: Exposure may cause skin, eye, and respiratory irritation. Inhalation may cause difficulty in breathing and lung congestion.

Product Hazard Classification:	EU: Xn;R20/21/22-36/37/38-40-68	WHMIS: Exempt	US OSHA: Hazardous
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Material Safety Data Sheet

Section 3 – First Aid Measures

Inhalation: If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact: If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eye lids are held open. If pain or irritation occurs, obtain medical attention.

Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.

Ingestion: If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

Symptoms of Overexposure: Symptoms of overexposure may include: eye, skin, nose and throat irritation; headache, weakness, dizziness, confusion, nausea and vomiting. Severe cases may exhibit difficulty in breathing, irregular heartbeat, reddish colored skin, unconsciousness, convulsions, coma and death. Symptoms may be delayed for several hours after exposure.

Section 4 – Storage, Handling, Disposal and Safety Measures

Fire/Combustion Hazards: No combustion or flammability issues are expected from this product. In the event this product accidentally comes in contact with flame it is recommended to wear self-contained breathing apparatus while extinguishing the fire.

Storage and Stability: This product is stable under normal temperatures and pressures, but should be stored at 2-8°C. Keep away from incompatible chemicals. Do not mix with materials not suggested in data sheet.

Handling: No special precautions necessary. Use good laboratory procedures. Contain spills immediately. Absorb spilled material with inert, non flammable absorbent and dispose of according to local regulations.

Disposal: Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Personal Protection: Safety glasses or chemical goggles should be worn to prevent eye contact. Impervious gloves, such as latex or equivalent, should be worn to prevent contact with skin.



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Material Safety Data Sheet

Section 1 – Component 3 Identification

Component Name: 10X Fixative

<u>Hazardous Ingredients</u>	<u>CAS#</u>
Formaldehyde	50-00-0
Sodium Hydroxide	1310-73-2

Section 2 – Hazards Identification

Emergency Overview:

- Colorless, clear, liquid, mild aldehyde odor.
- Skin, eye and respiratory tract irritant.
- Harmful if swallowed.
- Slight fire hazard when exposed to flame or heat source.
- Suspect Carcinogen.
- CNS depressant

Physical Hazards: Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds. Potential fire hazard when exposed to flame or heat source.

Potential Health Effects Summary: Exposure may cause skin, eye, and respiratory tract irritation or burns. Inhalation may cause difficulty in breathing, lung congestion, dizziness, headache, nausea and unconsciousness. Potential cancer hazard.

Product Hazard Classification:	EU: Xn;R20/21/22-36/37/38-40-68	WHMIS: Exempt	US OSHA: Hazardous
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Section 3 – First Aid Measures

Inhalation: If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact: If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eye lids are held open. If pain or irritation occurs, obtain medical attention.



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Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.

Ingestion: If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

Symptoms of Overexposure: Symptoms of overexposure may include: eye, skin, nose and throat irritation; headache, weakness, dizziness, confusion, nausea and vomiting. Severe cases may exhibit difficulty in breathing, irregular heartbeat, reddish colored skin, unconsciousness, convulsions, coma and death. Symptoms may be delayed for several hours after exposure.

Section 4 – Storage, Handling, Disposal and Safety Measures

Fire/Combustion Hazards: No combustion or flammability issues are expected from this product. In the event this product accidentally comes in contact with flame it is recommended to wear self-contained breathing apparatus while extinguishing the fire. Use extinguishing media suitable for surrounding fire.

Storage and Stability: This product is stable under normal temperatures and pressures, but should be stored at 2-8°C. Keep away from incompatible chemicals. Do not mix with materials not suggested in data sheet.

Handling: No special precautions necessary. Use good laboratory procedures. Contain spills immediately. Absorb spilled material with inert, non flammable absorbent and dispose of according to local regulations.

Disposal: Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Personal Protection: Safety glasses or chemical goggles should be worn to prevent eye contact. Impervious gloves, such as latex or equivalent, should be worn to prevent skin contact.

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