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## Safety Data Sheet

According to Federal Register/ Vol. 77, No. 58/ Monday, March 26, 2012/ Rules and Regulations

### Section 3: Composition/information on ingredients

**Composition: Mixture of substances listed below with nonhazardous additions.**

Name	Product Identifier	%	GHS-US classification
Sodium azide	CAS No. 26628-22-8	0.5%	Not a hazardous substance or mixture.

Full text of H-phrases: see section 16

### Section 4: First aid measures

#### Description of first aid measures

**First Aid Measures General:**

**First Aid Measures after Inhalation:** If not breathing, give artificial respiration.

**First Aid Measures after Skin Contact:** n/a

**First Aid Measures after Eye Contact:** n/a

**First Aid Measures after Ingestion:** n/a

#### Most Important Symptoms and Effects, both acute and delayed

**Symptoms/Injuries after skin contact:**

**Symptoms/Injuries after inhalation:** May cause respiratory tract irritation

**Symptoms/Injuries after eye contact:**

**Symptoms/Injuries after ingestion:** May be harmful if swallowed

**Other Symptoms/ Injuries:**

#### Indication of any medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

### Section 5: Firefighting Measures

#### Extinguishing media

**Suitable extinguishing media:** Dry Powder, CO<sub>2</sub>, Water Spray, or Alcohol resistant foam

**Unsuitable extinguishing media:**

#### Special Hazards arising from the substance or mixture

**Flammability:** Not flammable or combustible

**Hazardous Combustion Products:** Sodium oxides.

**Reactivity:**

#### Advice for Firefighters

**Firefighting instructions:** Prevent fire-fighting water from entering surface water or ground water.

**Protection during firefighting:** Wear self-contained breathing apparatus, if necessary

### Section 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**General Measures:**

#### Environmental Precautions

#### Methods and material for containment and cleaning up

Use inert absorbent material to soak up spill.

#### Reference to other sections

See heading 8, Exposure Controls and Personnel Protection

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### Section 7: Handling and Storage

#### Precautions for safe handling




Handle in accordance with good chemical hygiene and safety practices. Protect from moisture. Avoid contact with eyes. Avoid inhalation of vapor or mist.

#### Conditions for safe storage, including any incompatibilities

**Storage conditions:** No special storage conditions required

#### Specific end use(s)

### Section 8: Exposure controls/ personal protection

<b>Exposure Controls</b>	This product does not contain any substances with occupational exposure limit values.	
<b>Respiratory Protection</b>	No special protective equipment required.	
<b>Hand Protection</b>	Use gloves when handling this product. Inspect gloves prior to use for any visible damage. Use proper glove removal technique to prevent contact with skin. Dispose of gloves in accordance with applicable laws. Wash and dry hands after use.	
<b>Eye Protection</b>	Use a face shield and/or safety goggles when handling this product. Use eye ware that has been approved by NIOSH.	
<b>Skin and Body Protection</b>	Wear appropriate laboratory attire when handling this product such as gloves, long pants, closed-toe shoes, and laboratory coat.	
<b>Hygiene Measures</b>	Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after using this product.	

### Section 9: Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	No data available
<b>Odor Threshold</b>	No data available
<b>pH</b>	6.0-8.0
<b>Relative evaporation rate</b>	No data available
<b>Melting Point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling Point</b>	No data available
<b>Flash Point</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Vapor Pressure</b>	No data available

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<b>Relative vapor density at 20°C</b>	No data available
<b>Relative Density</b>	No data available
<b>Density</b>	No data available
<b>Solubility</b>	No data available
<b>Log Pow</b>	No data available
<b>Log Kow</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	No data available
<b>Explosive properties</b>	No data available
<b>Other Information</b>	

### Section 10: Stability and reactivity

#### Reactivity

**Chemical Stability:** Stable under recommended storage conditions

**Possibility of Hazardous Reactions:** n/a

**Conditions to Avoid:** n/a

**Incompatible Materials:** n/a

**Hazardous Decomposition Products:** n/a

### Section 11: Toxicological Information

#### Information on Toxicological Effects

##### Acute Toxicity:

Oral LD50	No data available
Inhalation LC50	No data available
Dermal LD50	No data available
Other Information on Acute Toxicity	No data available

**Skin Corrosion/Irritation:** No data available

**Serious Eye Damage/Irritation:** No data available

**Respiratory or Skin Sensation:** No data available

**Germ Cell Mutagenicity:** No data available

##### Carcinogenicity:

**IARC:** No component of this product that is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product that is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

**NTP:** No component of this product that is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

**OSHA:** No component of this product that is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**Reproductive Toxicity:** No data available

**Specific Target Organ Toxicity (Single Exposure)** No data available

**Specific Target Organ Toxicity (Repeated Exposure)** No data available

**Aspiration hazard:** No data available

##### Potential Health Effects:

**Inhalation:** n/a

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**Ingestion:** n/a

**Skin:** n/a

**Eyes:** n/a

**Signs/Symptoms of Exposure:**

### Section 12: Ecological Information

**Toxicity:** no data available

**Persistence and Degradability:** no data available

**Bio accumulative Potential:** no data available

**Mobility in Soil:** no data available

**Other Adverse Effects:** no data available

**Other Information**

### Section 13: Disposal Considerations

**Product:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

**Contaminated Packaging:** Disposal must be made according to official regulations.

### Section 14: Transport Information

**DOT (US):** Not considered dangerous goods

**IMDG:** Not considered dangerous goods

**IATA:** Not considered dangerous goods

### Section 15: Regulatory Information

**OSHA Hazards:** n/a

**SARA 302 Components:** No chemicals in this product are required to be reported according to SARA Title III, Section 302.

**SARA 313 Components:** This product does not contain any chemicals with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Components:** Acute Health Hazard

Right to Know Components	Components	CAS-No.
Massachusetts	Water	7732-18-5
	Sodium azide	26628-22-8
Pennsylvania	Water	7732-18-5
	Sodium azide	26628-22-8
New Jersey	Water	7732-18-5
	Sodium azide	26628-22-8

**California Prop. 65 Components:** This product does not contain any chemicals listed by the State of California's Proposition 65.

## Section 16: Other Information

### GHS Full Text Phrases

n/a

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**Section 1: Identification of the Substance Mixture and of the Company/Undertaking****Product Identifier**

Product Name: LES I

**Intended Use for the Product:**

Use of the substance/mixture: Research Use Only

**Name, Address, and Telephone of the Responsible Party**

Magbio Genomics  
944 Clopper Road  
Gaithersburg, MD 20878  
(301) 302-0144

**Emergency telephone number****Emergency number:**

In case of medical emergency, call 911. Contact your local Poison Control Center.

**Section 2: Hazards Identification****Classification of the substance or mixture****OSHA Hazards**

No known OSHA hazards

**GHS-US Classification**

Not a dangerous substance according to GHS.

**Label Elements****GHS – US labeling****Hazard Pictograms (GHS-US)**

n/a

**Signal Word (GHS-US)**

n/a

**Hazard Statements (GHS-US)**

n/a

**Precautionary Statements (GHS-US)**

n/a

**HMIS Classification Scale (0-4)**

Health Hazard 0  
Flammability 0  
Physical Hazards 0

**NFPA Rating (Scale 0-4)**

Health Hazard 0  
Fire 0  
Reactivity Hazard 0

**Unknown acute toxicity (GHS-US)**

# LES I

## Safety Data Sheet

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### Section 3: Composition/information on ingredients

**Composition: Mixture of substances listed below with nonhazardous additions.**

Name	Product Identifier	%	GHS-US classification
Lysozyme	(CAS No.) 12650-88-3 (EC-No.) 235-747-3	100	No ingredients are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulations.

Full text of H-phrases: see section 16

### Section 4: First aid measures

#### Description of first aid measures

##### First Aid Measures General:

**First Aid Measures after Inhalation:** Remove to an area with fresh air. Give artificial respiration if not breathing and call medical emergency services. Oxygen may be required if respiration is difficult. Immediately call a doctor.

**First Aid Measures after Skin Contact:** Immediately wash skin with soap and copious amounts of water.

**First Aid Measures after Eye Contact:** Immediately flush eyes with large amounts of water for at least 20 minutes. Adequate flushing is achieved by separating eyelids with clean fingers.

**First Aid Measures after Ingestion:** If swallowed, call a physician immediately.

#### Most Important Symptoms and Effects, both acute and delayed

##### Symptoms/Injuries:

**Symptoms/Injuries after inhalation:**

**Symptoms/Injuries after eye contact:**

**Symptoms/Injuries after ingestion:**

#### Indication of any medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

### Section 5: Firefighting Measures

#### Extinguishing media

**Suitable extinguishing media:** Carbon dioxide, dry chemical powder or appropriate foam.

**Unsuitable extinguishing media:**

#### Special Hazards arising from the substance or mixture

**Flammability:**

**Hazardous Combustion Products:**

**Reactivity:**

#### Advice for Firefighters

**Firefighting instructions:**

**Protection during firefighting:** Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

### Section 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**General Measures:** No special measure required.

#### Environmental Precautions

#### Methods and material for containment and cleaning up

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Pick up mechanically

### Reference to other sections

See heading 8, Exposure Controls and Personnel Protection

## Section 7: Handling and Storage

### Precautions for safe handling

Handle in accordance with good chemical hygiene and safety practices. Protect from moisture. Avoid contact with eyes. Avoid inhalation of vapor or mist.

### Conditions for safe storage, including any incompatibilities

**Storage conditions:** Keep containers tightly closed in a dry, cool, and well-ventilated place. Protect from moisture

**Incompatible products:** Strong oxidizing agents

## Section 8: Exposure controls/ personal protection

### Exposure Controls

This product does not contain any substances with occupational exposure limit values.

### Respiratory Protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators that have been approved by NIOSH.



### Hand Protection

Use gloves when handling this product. Inspect gloves prior to use for any visible damage. Use proper glove removal technique to prevent contact with skin. Dispose of gloves in accordance with applicable laws. Wash and dry hands after use.



### Eye Protection

Use a face shield and/or safety goggles when handling this product. Use eye ware that has been approved by NIOSH.



### Skin and Body Protection

Wear appropriate laboratory attire when handling this product such as gloves, long pants, closed-toe shoes, and laboratory coat.



### Hygiene Measures

Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after using this product.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

Physical State	Liquid
Color	Colorless
Odor	Odorless
Odor Threshold	No data available
pH	8.0
Relative evaporation rate	No data available
Melting Point	No data available



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<b>Freezing Point</b>	No data available
<b>Boiling Point</b>	No data available
<b>Flash Point</b>	70°C
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Relative vapor density at 20°C</b>	No data available
<b>Relative Density</b>	No data available
<b>Density</b>	No data available
<b>Solubility</b>	Water Soluble
<b>Log Pow</b>	No data available
<b>Log Kow</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	No data available
<b>Explosive properties</b>	No data available
<b>Other Information</b>	

### Section 10: Stability and reactivity

**Reactivity:**

**Chemical Stability:**

**Possibility of Hazardous Reactions:**

**Conditions to Avoid:**

**Incompatible Materials:** Strong acids and strong oxidants

**Hazardous Decomposition Products:** Nature of decomposition of products not known

### Section 11: Toxicological Information

#### Information on Toxicological Effects

Acute Toxicity:

Oral LD50	No data available
Inhalation LC50	No data available
Dermal LD50	No data available
Other Information on Acute Toxicity	No data available

**Skin Corrosion/Irritation:** No data available

**Serious Eye Damage/Irritation:** No data available

**Respiratory or Skin Sensation:** No data available

**Germ Cell Mutagenicity:** No data available

**Carcinogenicity:** No data available

**IARC:**

**NTP:**

**OSHA:**

**Reproductive Toxicity:** No data available

**Specific Target Organ Toxicity (Single Exposure)** No data available

**Specific Target Organ Toxicity (Repeated Exposure)** No data available

**Aspiration hazard:** No data available

**Potential Health Effects:**

**Inhalation:**

**Ingestion:**

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**Skin:**

**Eyes:**

**Signs/Symptoms of Exposure:** 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

**Bio accumulative Potential:** No data available

**Mobility in Soil:** No data available

**Other Adverse Effects:** No data available

**Other Information:** No data available

### Section 13: Disposal Considerations

**Product:** No special measure required

**Contaminated Packaging:**

### Section 14: Transport Information

**DOT(US):** Not considered dangerous goods

**IMDG:** Not considered dangerous goods

**IATA:** Not considered dangerous goods

### Section 15: Regulatory Information

**OSHA Hazards:** n/a

**SARA 302 Components:** No chemicals in this product are required to be reported according to SARA Title III, Section 302.

**SARA 313 Components:** This product does not contain any chemicals with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Components:** No SARA Hazards

### Section 16: Other Information

**GHS Full Text Phrases:** n/a

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