

Safety Data Sheet


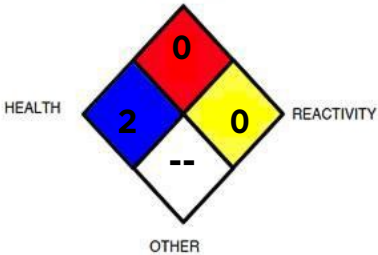
Section 1: Product & Company Identification

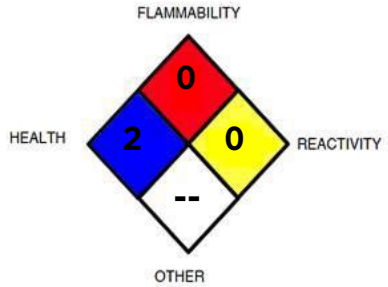
Product Name:	Lyticase 100T, Yeast Lytic Enzyme
Product #:	L-5100
Synonyms:	Zymolase 100T
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS#	EC #
Lyticase 100T	37340-57-1	-

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">HEALTH REACTIVITY</p> <p style="text-align: center;">OTHER</p>

NFPA Classification	
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Section 4: First Aid Measures

General Overview:	Harmful.
Inhalation:	Remove to fresh air, give oxygen if breathing becomes difficult and seek medical attention.
Skin:	Remove contaminated clothing and wash the exposed skin area thoroughly with soap and water.
Eyes:	Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
Ingestion:	Flush mouth with copious amounts of water, provided that the person is conscious and seek medical attention.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	No data available
Extinguishing Media:	Water spray, Dry Chemical, Foam, or Carbon Dioxide
Hazardous thermal (de)composition products:	No data available
Special Fire Fighting Procedures:	Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.
Flash Point:	No data available

Section 6: Accidental Release Measures





Personal Precautions:	Wear rubber gloves, impermeable shoe covers and long laboratory coat.
Environmental Precautions:	Contain the spill to the smallest area possible.

Methods for Clean-up:	Take care not to contaminate body. Absorb the material with disposable towels. Wash area with disposable towels. Transfer contaminated absorbent to a chemical waste container for disposal. Dispose of all contaminated trash in accordance with local regulations.
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SECTION 7: Handling & Storage

Storage:	Store at 2 - 8°C
Handling:	Avoid inhalation and contact with eyes and skin. Avoid prolonged or repeated exposure.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>In case of fire, wear self-contained breathing apparatus.</p>
Skin and Body:	  <p>Long lab coat, chemical resistant gloves, and chemical safety glasses. Change gloves when they become contaminated.</p>
Eyes:	 <p>Safety goggles</p>
Ventilation/Engineering Measures:	N/A
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.

Other:	N/A
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SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Powder
Formula	N/A
Molecular Wt.	N/A
Melting Pt.	N/A
Boiling Pt.	N/A
Density:	N/A
Vapor Pressure:	N/A
Evaporation Rate:	N/A
Vapor Density:	N/A
Solubility:	Water
Flash Point:	N/A
Autoignition Temp:	N/A

SECTION 10: Stability and Reactivity

Stability:	The lytic activity is lost on incubation at 60°C for 5 minutes. Stable under recommended storage conditions.
Hazardous decomposition products:	No data available
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	N/A
ACUTE Toxicity:	N/A
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.

	<p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>
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SECTION 12: Ecological Information

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Observe all federal, state, and local environmental regulations.
Contaminated Packaging:	Observe all federal, state, and local environmental regulations.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	<p>Danger!</p> <p>Xn: Harmful</p> <p>H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p>
Risk Phrases:	<p>P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.</p> <p>P285: In case of inadequate ventilation wear respiratory protection.</p> <p>P304 + P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.</p>

	P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. P501: Dispose of contents/ container to an approved waste disposal plant.
Safety Phrases:	N/A
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found New Jersey State Right to Know: Listed Pennsylvania State Right to Know: Listed
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Acute Health Hazard SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: Respiratory sensitization (Cat. 1)
WHMIS (Canada):	N/A

SECTION 16: Other Information

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