

## Safety Data Sheet


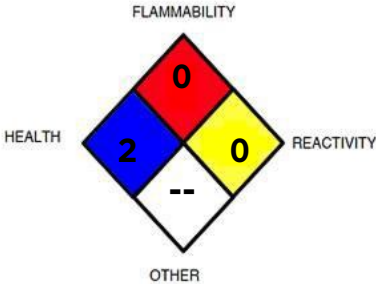
### Section 1: Product & Company Identification

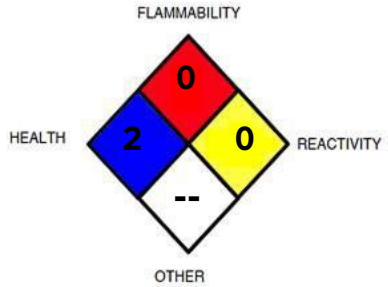
<b>Product Name:</b>	Lyticase 20T
<b>Product #:</b>	L-5020
<b>Synonyms:</b>	Yeast Lytic Enzyme
<b>Supplier:</b>	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
<b>Emergency Tele#:</b>	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

### Section 2: Composition / Information on Ingredients

Component	CAS #	EC #	% Composition
Lyticase 20T	37340-57-1		90-100

### Section 3: Hazards Identification

<b>Symbols</b>	
<b>HMIS Classification</b>	<p>FLAMMABILITY</p>  <p>HEALTH      REACTIVITY</p> <p>OTHER</p>

<b>NFPA Classification</b>	
----------------------------	---

## Section 4: First Aid Measures

<b>General Overview:</b>	Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>Inhalation:</b>	Remove to fresh air, give oxygen if breathing becomes difficult and seek medical attention.
<b>Skin:</b>	Remove contaminated clothing and wash the exposed skin area thoroughly with soap and water.
<b>Eyes:</b>	Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
<b>Ingestion:</b>	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

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

## Section 6: Accidental Release Measures





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

<b>Methods for Clean-up:</b>	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.
------------------------------	--

## SECTION 7: Handling & Storage

<b>Storage:</b>	Recommended storage temperature: 2 - 8°C
<b>Handling:</b>	Avoid inhalation and contact with eyes and skin. Avoid prolonged or repeated exposure.

## SECTION 8: Exposure controls / Personal Protection

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

## SECTION 9: Physical and Chemical Properties

<b>Appearance &amp; Odor:</b>	Powder
<b>Formula</b>	N/A
<b>Molecular Wt.</b>	N/A
<b>Melting Pt.</b>	No data available
<b>Boiling Pt.</b>	No data available
<b>Density:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Solubility:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Autoignition Temp:</b>	No data available

## SECTION 10: Stability and Reactivity

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous decomposition products:</b>	No data available
<b>Materials to Avoid:</b>	Strong oxidizing agents
<b>Conditions to avoid:</b>	No data available

## SECTION 11: Toxicological Information

<b>RTECS#:</b>	N/A
<b>ACUTE Toxicity:</b>	No data available
<b>CHRONIC Toxicity:</b>	No data available
<b>Chronic Exposure:</b> <b>Carcinogen:</b> <b>Mutagen:</b> <b>Teratogen:</b> <b>Reproductive:</b>	<p>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.</p> <p>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.</p> <p>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> <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>

## SECTION 12: Ecological Information

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

## SECTION 13: Disposal Considerations

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

## SECTION 14: Transportation Information

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

## SECTION 15: Regulatory Information

<b>Health Phrases:</b>	Danger! H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Risk Phrases:</b>	P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P285: In case of inadequate ventilation wear respiratory protection.
<b>Safety Phrases:</b>	P304 + P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. P501: Dispose of contents/ container to an approved waste disposal plant.
<b>EU Regulations:</b>	N/A

<b>US Regulations:</b>	<p>TSCA: Not listed California Proposition 65: No products were found</p> <p>New Jersey State Right to Know: Listed Pennsylvania State Right to Know: Listed</p>
<b>U.S. Federal Regulations:</b>	<p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Acute Health Hazard</p> <p>SARA 313 toxic chemicals notification and release reporting: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found.</p> <p>Clean Air Act (CAA) 112 accidental release prevention: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated flammable substances: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated toxic substances: No products were found.</p> <p>OSHA: Respiratory sensitization (Cat. 1)</p>
<b>WHMIS (Canada):</b>	N/A

## SECTION 16: Other Information

**LIABILITY STATEMENT:** *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*