

SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product identifier: LALLZYME EX-V
1.2 Identified use: For use in winemaking
1.3 Supplier details: Danstar Ferment A.G.
Vejlevej 10
Fredericia, DK-7000
Denmark
Phone: +45 76 22 32 85
Email: fb.france@lallemand.com
1.4 Emergency telephone: Contact your local doctor or hospital

SECTION 2 - HAZARD IDENTIFICATION

- 2.1 Classification of the substance or mixture: Respiratory sensitizer Cat. 1
2.2 Label elements (according to Reg. (EC) No. 1272/2008)



GHS Hazard pictogram:

Signal word:

Danger

Hazard statement:

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement:

- P261- Avoid breathing dust/mist.
P285- In case of inadequate ventilation wear respiratory protection.
P304 + P341- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position of comfortable breathing.
P342+ P311- If experiencing respiratory symptoms, Call a POISON CENTER of doctor/physician.
P501- Dispose of contents/container according to local regulations.

2.3 OTHER HAZARDS: Not available. This substance is not considered as a PBT or VPVB substance.

SECTION 3 – COMPOSITION

Substance/Mixture: Mixture

Dangerous ingredients

Substance Name	%	IUB	CAS #	EINECS	Classification
Pectinases	0-70%	3.2.1.15,	9032-75-1,	232-885-6,	Resp. Sens. 1
		3.1.1.11,	9025-98-3,	232-807-0,	
		4.2.2.10,	9033-35-6,	232-894-5,	
		3.2.1.21,	9001-22-3,	232-589-7,	
		3.2.1.58	9073-49-8	232-968-7	

The other ingredients are not listed as they have no impact on the classification of the substance.

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures

- Eye contact: Adequately flush eyes with water.
Skin contact: Wash affected area with soap and water.
Inhalation: Immediately remove person to fresh air.
Ingestion: Rinse mouth and throat thoroughly with water. Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

- Eye contact: Possible irritation.
Skin contact: May cause irritation.
Inhalation: May cause coughing (irritation) or irritate asthma. May cause sensitization. Subsequent chronic or acute exposure in sensitized persons may cause a respiratory allergic reaction, including asthmatic bronchitis, in minutes or delayed.
Ingestion: Possible bloating, gas, and bowel discomfort.

4.3 Indication of any immediate medical attention and special treatment needed: None. If any symptoms persist, seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing media

- Suitable: Water, foam, carbon dioxide, dry powder
Unsuitable: None

5.2 Special hazards arising from the material: None

5.3 Advice to firefighters: Wear a self-contained breathing apparatus (SCBA) when exposed to confined or enclosed fires as product powder could be in the air.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personnel precautions Non-emergency: None Emergency: None

6.2 Environmental precautions: None

6.3 Method and materials for clean up: Use a vacuum or broom and dust pan. Vacuum up or sweep the spill into a dust pan. Powder may be collected in a container or bag before being placed in the trash. Dispose of waste in the proper receptacle for trash.

6.4 References to other sections: See Section 8 for personal protective equipment.

SECTION 7 – HANDLING & STORAGE

7.1 Precautions for safe handling

- Handling: Avoid breathing dust. Avoid contact with eyes.
Occupational hygiene: Wash hands thoroughly after handling.

7.2 Conditions for safe storage

- Risks: Not at risk for corrosion, fire, explosion, or chemical reaction.
Place of storage: No special instruction to minimize risks (see above). Store according to label directions to maintain label guarantees.
Fire/explosion protection: None needed.

7.3 Specific end use: None

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	Control parameters	Exposure limits: No limit.	Biological limits: No limit.
8.2	Exposure controls		
	Engineering:	None	
	Eye/face protection:	Protective glasses should be worn in conditions of excessive dusting.	
	Skin	Hand: None	
		Other: None.	Wear appropriate clothing for work.
	Respiratory protection:	Protective mask should be worn in conditions of excessive dusting.	
	Thermal protection:	None	
	Environmental exposure:	None	

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Beige to dark beige powder (varies lot to lot)

Odour: Strong odour of fermentation

Solubility: Soluble in water

Odour threshold; pH; Melting point/Freezing point; Initial boiling point and boiling range; Flash point; Evaporation rate; Flammability; Vapour pressure; Vapour density; Relative density; Partition coefficient (n-octanol/water); Auto-ignition temperature; Decomposition temperature; Viscosity; Explosive properties; Oxidising properties: Not Applicable

9.2 Other information: None

SECTION 10 – STABILITY AND REACTIVITY

10.1	Reactivity:	Not reactive
10.2	Chemical stability:	Stable
10.3	Possibility of hazardous reactions:	None
10.4	Conditions to avoid:	None
10.5	Incompatible materials:	None
10.6	Hazardous decomposition products:	None

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: No known effects.

Skin corrosion/irritation: Possible irritation to skin.

Eye damage/irritation: Possible irritation to eye.

Respiratory /Skin sensitization: Possible allergic reaction or sensitization.

CMR: No known effects.

(Carcinogenity, germ cell Mutagenicity, Reproductive toxicity)

SECTION 12 – ECOLOGICAL INFORMATION

12.1	Toxicity:	No known ecological effects.
12.2	Persistence and degradability:	No persistence and the substance is bio-degradable.
12.3	Bioaccumulative potential:	None
12.4	Mobility in soil:	Not relevant
12.5	Results of PBT and vPvB assessment:	Not relevant

12.6 Other adverse effects: None

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product and packaging can be disposed of in regular trash or waste. No special disposal method required. Follow all applicable local laws for recycling, bagging, and disposal of trash.

SECTION 14 – TRANSPORT INFORMATION

- 14.1 UN Number: Not relevant
14.2 UN proper shipping name: Not relevant
14.3 Transportation hazard class: Not classified as dangerous.
14.4 Packing group: Not relevant
14.5 Environmental hazards: None
14.6 Special precautions: None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not relevant

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV – List of substances subject to authorization ,
Substances of very high concern: None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.

15.2 Chemical safety assessment: Not relevant

SECTION 16 – OTHER INFORMATION

SDS issue date: 10th November 2016

Australian Importer:

Lallemand Australia Pty Ltd (ABN 76 008 275 045)

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9am to 5pm Central Standard Time, (CST)

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