

<p style="text-align: center;">MATERIAL SAFETY DATA SHEET DIRECTIVE (EEC) 91-155 LACTICIDE</p>

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PUBLICATION DATE: 05/04/06

1 – PRODUCT AND COMPANY IDENTIFICATION

Product name: **LACTICIDE: granulated lysozyme hydrochloride**
Description: Granulated enzyme preparation
Appearance: off-white granules
- Supplier: LAMOTHE ABIET
B.P. 75 33015 BORDEAUX
- Emergency number: Bordeaux Poison Center: +33 (0)5.56.96.40.80

2 – COMPOSITION/INFORMATION ON COMPONENTS

Chemical characteristics of active material: Enzymatic protein extracted from egg white
Synonym: Endoglucosidase
Hazardous ingredients: Enzymatic protein
Preparation classification: Xn (harmful), R-42
Exposure limit: Non established

3 – HAZARDS IDENTIFICATION

The granulated enzyme is produced according to a special process in order to ensure low dust levels. However, inadequate handling may lead to dust production. Handling instructions are given in sections 6 and 7. Inhalation of enzyme dust or aerosols resulting from inadequate handling may cause sensitization or allergic reactions in sensitized individuals. Prolonged skin contact may cause a slight irritation.

4 – FIRST AID MEASURES

Skin contact: Rinse with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash before reuse. Seek medical advice if irritation persists.
Eye contact: Rinse with plenty of water, eyelids open, for at least 15 minutes. Immediately consult a physician.
Ingestion: Rinse mouth and throat thoroughly with water, rapidly consult a physician. Do not give anything by mouth to unconscious or convulsive persons.
Inhalation: Remove from exposure area. Consult a physician if irritation or sensitization symptoms appear (shortness of breath, wheezing, cough).

5 – FIRE-FIGHTING MEASURES

Protection against fire and explosions: no special requirement
Recommended extinguishing agents: Water, foam
Unsuitable extinguishing agents: None.
Special exposure hazards: None.

6 – ACCIDENTAL RELEASE MEASURES

Dispose of the preparation immediately. Avoid dust formation. Collect the preparation using mechanical equipment, preferably with a vacuum cleaner equipped with a high efficiency filter. Dilute the remaining preparation with plenty of water. Avoid splashing and high pressure water cleaning (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing.

7- HANDLING AND STORAGE

Avoid dust formation. Avoid splashing and high pressure water cleaning. Ensure sufficient ventilation of premises when handling the product. Store containers in a dry and cool area.

8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Recommended personal protective equipment:

Respiratory protection:	Respirator with P3 filter
Hand protection:	Impermeable gloves
Eye protection:	Safety goggles or eye shield
Clothing:	Wear suitable protective clothing

9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white granules

Odour, pH, boiling and melting points, autoignition temperature, vapour pressure, specific gravity and solubility are not relevant from a safety point of view.

For more detailed information, please consult the Technical and the Product data sheets.

10 – STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use:

Conditions to avoid:	None.
Materials to avoid:	None.
Hazardous decomposition products:	None.

11 – TOXICOLOGICAL INFORMATION

Inhalation of enzyme dust or aerosols resulting from inappropriate handling may cause sensitization and allergic reactions in sensitized subjects. Prolonged skin contact may cause a slight irritation. LD50 oral (rat)>2g/kg. Thus, the preparation is classified as “non-toxic”.

12 – ECOLOGICAL INFORMATION

The preparation is highly biodegradable and not dangerous to the environment.

13 – DISPOSAL CONSIDERATIONS

No special disposal methods are required, other than applicable regulations prescribed by the local authorities .

14 –TRANSPORT INFORMATION

UN Number:	N/A	Sea:	N/A
Road/Rail:	N/A	Air:	N/A

15 – REGULATORY INFORMATION

The preparation does not contain any ingredient listed as dangerous substance in Annex 1 of the European Directive 67/548/EEC. However, it is a dangerous preparation with regards to the European Directive 88/379/EEC.

Labelling:	Xn (harmful)
R-42:	May cause sensitization by inhalation.
S-22:	Do not breathe dust/aerosols.
S-24:	Avoid contact with skin.
S-36/37:	Wear suitable protective clothing and gloves.

16 – OTHER INFORMATION

The information contained in this safety data sheet is considered to be true and accurate at the time of publication. However, the information and regulatory data are provided without warranties.

Since the conditions of use are not under our control, it is the responsibility of the user to take safe precautions for the utilization of this preparation. This data sheet does not contain analytical specifications. In order to obtain this information, please refer to our technical data sheet.
