

# SAFETY DATA SHEET

## LACTOLYSE

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

Description : Lysozyme

Product name: LACTOLYSE

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Oenological use

#### 1.3. Details of the supplier of the safety data sheet

Company details: Institut Œnologique de Champagne  
Z.I. de Mardeuil – Allée de Cumières – BP 25  
51201 EPERNAY Cedex  
FRANCE  
Tel: + 33 (0) 3.26.51.96.00.  
Fax: + 33 (0) 3.26.51.02.20.  
[fds@ioc.eu.com](mailto:fds@ioc.eu.com)

#### 1.4. Emergency telephone number

112

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to Regulation 1272/2008 / EC (CLP)

Classification: Respiratory sensitizer category 1

Risk Phrase (s): H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### 2.2. Label elements

Labeling according to Regulation 1272/2008 / EC (CLP)

Hazard statement: Danger

Danger symbol



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

P phrases:

P261 - Avoid breathing dust / fume / gas / mist / vapors / spray.

P285 - When room ventilation is inadequate, wear respiratory protection.

P304 + P341 - IF INHALED: If breathing is difficult, remove 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.

P501 - Dispose of contents / container in accordance with local legislation.

#### 2.3. Other hazards

The mixture is not considered a PBT or vPvB mixture.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

#### 3.2. Mixtures

Chemical name : lysozyme, hydrochlorure

N° CAS : 9066-59-5

N° CE : 232-954-0

The other components are not listed because they have no impact on the classification of the mixture

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Eye contact : Immediately flush eye with plenty of water for at least 15 minutes. Get medical attention.

Skin contact : Immediately flush skin with plenty of water for at least 15 minutes. Take off contaminated clothes and shoes and wash.

Ingestion : If high quantity are swallowed get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

Data not available

#### 4.3. Indication of any immediate medical attention and special treatment needed

No data available

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#### SECTION 5. FIREFIGHTING MEASURES

##### 5.1. Extinguishing media

Recommended: chemical powder or carbon dioxide

##### 5.2. Special hazards arising from the substance or mixture

None.

##### 5.3. Advice for firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Firefighter clothing (including helmets, protective boots and gloves) complying with the European Standard EN 469 provides a basic level of protection against chemical accidents.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

For non-emergency personnel: No initiative should be taken that involves an individual risk or in the absence of appropriate training. Evacuate the surroundings. Prevent access to those who are not required and who do not wear protective clothing. DO NOT touch or walk in the spilled product. Provide adequate ventilation. Wear appropriate respiratory protection when the ventilation system is inadequate. Wear appropriate personal protective equipment

For emergency responders: If specific clothing is required to deal with the spillage, consult Section 8 for appropriate and inappropriate materials. See also the information in "For staff other than response personnel".

##### 6.2. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the competent authorities in case of environmental pollution (sewers, waterways, soil and air) by the product.

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

Move containers from spill area. Aspirate or pick up the spilled product with a broom and place in a properly labeled waste container. Disposal by an authorized waste collection company..

##### 6.4. Reference to other sections

See Sections 8 and 13 for disposal of the substance

#### SECTION 7. HANDLING AND STORAGE

##### 7.1. Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Eating, drinking or smoking is prohibited in areas where this product is handled, stored or used. Staff are advised to wash their hands and face before eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering a food court. People with a history of asthma, allergy, or chronic or recurrent respiratory disease should not be involved in procedures using this product. Do not put in contact with eyes, skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respiratory protection when the ventilation system is inadequate. Keep in the original container or other approved substitute container made from a compatible material and kept tightly closed when not in use. Empty containers retain product residues and may be hazardous. Do not reuse this container.

Hygiene Tips: Eating, drinking or smoking is prohibited in areas where this product is handled, stored or used. Staff are advised to wash their hands and face before eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering a food court. See also section 8 for more information on hygiene measures. Professional in general

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

Store in accordance with local regulations. Store in the original container away from direct sunlight in a dry, cool, well-ventilated place away from incompatible materials (see Section 10). Keep the container tightly closed when the product is not in use. Containers that have been opened must be closed carefully and kept upright to prevent leakage. Do not store in unlabelled containers. Use a suitable container to avoid environmental contamination. Store in a cool, dry place.

##### 7.3. Specific end use(s)

polyethylene.

#### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

##### 8.1. Control parameters

No data available

##### 8.2. Exposure controls

Appropriate engineering controls: Use only in a well-ventilated environment. If user tampering causes dust, fumes, gases, vapors or fog, use enclosed enclosures, exhaust ventilation at source, or other built-in automatic control systems to maintain safe operation. exposure threshold for airborne contaminants below recommended or legal limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working day. It is recommended to use appropriate techniques to remove potentially contaminated clothing. Wash contaminated clothing before reuse. Ensure that automatic eye wash devices and safety showers are located near the workstation locations.

Eye / face protection: Full face mask

Hand Protection: The use of impervious, chemical resistant gloves meeting an approved standard is mandatory at all times when handling chemicals if a risk assessment indicates this is necessary. > 8 hours (breakthrough time): Practical experience has shown that gloves made of polychloroprene (neoprene), nitrile rubber, butyl rubber, fluorine rubber (Viton) and vinyl chloride (PVC) provide sufficient protection. Replace damaged gloves.

Skin and body: Chemical resistant protective clothing

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Respiratory protection: Self-contained breathing apparatus. - air supply respirator

Environmental Exposure Controls: Emissions from ventilation systems or manufacturing equipment should be tested to ensure that they meet the requirements of environmental protection legislation. In some cases, it will be necessary to equip the manufacturing equipment with a gas scrubber or filter or to modify it technically to reduce emissions to acceptable levels.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

##### 9.1. Information on basic physical and chemical properties

Appearance : Crystalline white powder

Odour : No data available

Odour threshold : No data available

pH : 3 to 3.6

Melting / freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: No data available

Solubility(ies): No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidising properties: No data available

##### 9.2. Other information

#### SECTION 10. STABILITY AND REACTIVITY

##### 10.1. Reactivity

stable

##### 10.2. Chemical stability

Stable

##### 10.3. Possibility of hazardous reactions

None

##### 10.4. Conditions to avoid

None

##### 10.5. Incompatible materials

No data available

##### 10.6. Hazardous decomposition products

None

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### 11.1. Information on toxicological effects

Prolonged or repeated exposure to the product may be the cause of allergic reactions in susceptible individuals.

#### SECTION 12. ECOLOGICAL INFORMATION

##### 12.1. Toxicity

No data available.

##### 12.2. Persistence and degradability

No data available.

##### 12.3. Bioaccumulative potential

No data available

##### 12.4. Mobility in soil

No data available

##### 12.5. Results of PBT and vPvB assessment

No data available

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#### 12.6. Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

It is recommended to avoid or minimize the generation of waste. Disposal of this product, solutions and by-products should at all times comply with the legal requirements for environmental protection and waste disposal as well as the requirements of all local authorities. Disposal of excess and non-recyclable products by an authorized waste collection company. Do not discharge untreated waste into sewers, unless in accordance with the requirements of all competent authorities. Recycle packaging waste. Consider incineration or landfill only if recycling is not possible. Do not dispose of this product and its container except with the usual precautions. Handle empty containers that have not been cleaned or rinsed with care. Empty containers or internal bags may retain product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### SECTION 14. TRANSPORT INFORMATION

#### 14.1. UN number

Not regulated.

#### 14.2. UN proper shipping name

No data available

#### 14.3. Transport hazard class(es)

No data available

#### 14.4. Packing group

No data available

#### 14.5. Environmental hazards

No data available

#### 14.6. Special precautions for user

No data available

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

### SECTION 15. REGULATORY INFORMATION

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

CEE E414–EINECS : 232-519-5–FDA/GRAS : 184/1330–COUNCIL EUROPE CE : 9/7/N2

#### 15.2. Chemical safety assessment

Product not concerned by labelling of hazardous products

### SECTION 16. OTHER INFORMATION

Complete review of compliance with Regulation (EU) No 453/2010 of 20 May 2010

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