

## SAFETY DATA SHEET INOZYME THERMO

version : EN/18-09-19/A

page : 1/4

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

Description : enzymatic preparation

Product name: Inozyme thermo

#### 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 : polygalacturonase

N° CAS : 9032-75-1

N° CE : 232-885-6

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

## SAFETY DATA SHEET INOZYME THERMO

version : EN/18-09-19/A

page : 2/4

### SECTION 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Recommended: water, foam dry chemicals

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

None

#### 5.3. Advice for firefighters

No data available.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

None

#### 6.2. Environmental precautions

None

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

In the event of a leak, avoid raising dust or creating aerosols. Pick up the product by mechanical means, or using a vacuum cleaner equipped with a high efficiency filter. Dilute the rest of the product with plenty of water; Never use a high-pressure water jet. Provide adequate ventilation. Wash contaminated clothing.

The contaminated area may be rinsed with water to remove any traces of powder.

#### 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

Put on appropriate personal protective equipment (see Section 8). It is forbidden to eat, drink or smoke where this product is handled, stored or artwork. It is recommended that staff wash their hands and face before eating, drink or smoke. Remove contaminated clothing and protective gear to enter a place of restoration. People with a history of asthma, allergy or chronic or recurrent respiratory disease should not interfere with using this product. Do not put in contact with eyes, skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only in a well ventilated environment. Wear appropriate respiratory protection when ventilation system is inadequate. Keep in the original container or in another

Approved substitution container made from a compatible and maintained material hermetically sealed when not in use. Empty containers retain residues from product and may be dangerous. Do not reuse this container. It is forbidden to eat, drink or smoke in places where this product is handled, stored or implemented. It is recommended that staff wash their hands and face before eat, drink or smoke. Remove contaminated clothing and protective equipment before entering a place of restoration. See also section 8 for more information on hygiene measures.

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

Store between the following temperatures: 4 to 8 ° C (39.2 to 46.4 ° F). Store according to the local regulations. Store in a dry, cool, well ventilated area away from materials incompatible (see section 10). Keep the container tightly closed when the product is not used. Containers that have been opened must be closed carefully and maintained in a vertical position to avoid leaks. Do not store in unlabelled containers.

Use an appropriate container to prevent environmental contamination. Store in the original container protected from sunlight.

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

No data available.

### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

#### 8.1. Control parameters

No data available.

#### 8.2. Exposure controls

Use only with adequate ventilation. If the user manipulations cause dust, fumes, gases, vapors or fog, use closed enclosures, exhaust ventilation at the source, or other control systems built-in automatic controls to maintain the contaminant exposure threshold for contaminants air suspension below recommended or legal limits

Wash hands, forearms and face thoroughly after handling products before eating, smoking and going to the bathroom and at the end of the day. job. It is recommended to use appropriate techniques to remove clothes potentially contaminated. Wash contaminated clothing before reuse. Ensure that automatic eyewash devices and safety showers are close to the location of the workstations.

Safety glasses with side protection

Wearing impervious and chemical resistant gloves to a standard approved, is mandatory at all times when handling chemical products if a risk assessment advocates it. 4 - 8 hours (breakthrough time): Rubber nitrile, butyl rubber, neoprene and Viton®. Replace damaged gloves

Chemical resistant protective clothing

Wear a P3 dust mask

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance : Whitish to slightly brown liquid

Odour : slight fermentation odor

## SAFETY DATA SHEET INOZYME THERMO

version : EN/18-09-19/A

page : 3/4

Odour threshold : No data available

pH : 3 to 7

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

None

### 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

Adverse symptoms may include the following: wheezing and breathing difficulties and asthma.

## 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

### 12.6. Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

It is recommended to avoid or reduce as much as possible the generation of waste. The setting scrap of this product, solutions and by-products will have to permanently respect the legal requirements for the protection of the environment and the disposal of waste as well as the requirements of all local authorities. Elimination of surplus products and not recyclable by an authorized waste collection company. Do not reject the untreated waste in sewers, unless in accordance with the requirements of all competent authorities. Recycle packaging waste. Consider incineration or landfilling only if recycling is not possible. Do not get rid of this product and its container only by taking all appropriate

## SAFETY DATA SHEET INOZYME THERMO

version : EN/18-09-19/A

page : 4/4

precautions. Handle with caution empty receptacles not cleaned or rinsed. Empty containers or internal stores may retain leftover product. Avoid dispersal of spilled materials, as well as their runoff and all contact with soil, waterways, sewers and drainage.

### 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**

This substance is not considered dangerous substance included in Schedule 1 of the EEC Directive 67/548

**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

DISCLAIMER OF LIABILITY: The information in this document was obtained from sources which we believe to be reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This Material Safety Data Sheet was prepared for and is to be used only for this product. If the product is used as a component in another product, this information may not be applicable.”