

MATERIAL SAFETY DATE SHEET  
**CLARIZYM**

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## 1 – CHEMICAL PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

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Product: CLARIZYM

Generic name: enzymatic preparation

Supplier: **Burgundia CEnologie**

ZAC Portes de Beaune – 29, rue Buffon - 21200 BEAUNE \_ France

Tel: 03.80.22.43.21

Mail: [laboratoire@burgundia.fr](mailto:laboratoire@burgundia.fr)

Emergency phone: Contact your local doctor or hospital.

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## 2 – COMPOSITION – INFORMATION ON INGREDIENTS

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Chemical characterization of the preparation: enzyme protein - Polygalacturonase:

N° IUB: 3.2.1.15

N° CAS: 9032-75-1

N° EINECS: 232-885-6

Hazard contents: Enzymatic protein (1-10%).

Preparation's classification: Xn (harmful), R-42.

Limit of exposure: not specified.

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## 3 – HAZARD IDENTIFICATION

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The granular enzymes are made according to a special process to insure a low level of enzymatic dust. However, an inadequate manipulation can produce some dust. The instructions of manipulation are described in sections 6 and 7. The inhalation of enzymatic dust or of sprayer resulting from a manipulation can generate a sensitisation and can cause allergic reactions to sensitive individuals. A prolonged contact with the skin can also cause a light irritation.

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## 4 – FIRST AID MEASURES

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In case of skin contact: Wash immediately with soap and water. If irritation persists, seek consult a doctor.

In case of eyes contact: Rinse immediately with water for 15 minutes holding the eyelid open. If irritation persists, consult an ophthalmologist.

In case of ingestion: Rinse mouth and throat thoroughly with water. Drink water. If symptoms persist, consult a doctor.

In case of inhalation: Evacuate outdoors or in a ventilated place. If symptoms of irritation or sensitization occur (shortness of breath or wheezing, cough), consult a doctor.

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## 5 – FIRE FIGHTING MEASURES

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Protection against fire and explosions: No particular requirement.

Adequate means of extinguishing: water, moss, CO2, powder.

Means of extinguishing to be banned: None.

Particular dangers: None.

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## 6 – ACCIDENTAL RELEASE MEASURES

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Eliminate the preparation immediately. Avoid the forming of dust. Collect the product by mechanical means, rather with a vacuum cleaner equipped with an efficient filter. Dilute abundantly the remaining product with water. Avoid splashing or washing under pressure (avoid the forming of sprayer). Insure sufficient ventilation. Wash the soiled clothes.

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## 7- HANDLING AND STORAGE

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Manipulation: avoid the forming of dust. Avoid splashing or washing under pressure. Insure a good ventilation of the premises during the manipulation of the preparation. Do not eat, drink or smoke while working. Wash your hands after manipulation.

Storage: Store in its original, closed packaging. Store in a dry and cool place.

## 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

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Breathing protection: breathing mask with P3 filter.

Hands protection: waterproof gloves.

Eye protection: goggles or eye mask.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

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Shape: off-white granule.

The others physical and chemical parameters are not relevant for the safety. For more information, refer to the Technical Product sheet.

## 10 – STABILITY AND REACTIVITY

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This preparation is stable in normal conditions of storage and use. No conditions and no materials to avoid. No dangerous products of decomposition.

## 11 – TOXICOLOGICAL INFORMATION

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The preparation is thus classified "not toxic".

The inhalation of enzymatic dust or of sprayer resulting from a manipulation can generate a sensitisation and can cause allergic reactions to sensitive individuals. A prolonged contact with the skin can also cause a light irritation. The DL 50 to the rat is > 2g/kg physical weight.

## 12 – ECOLOGICAL INFORMATION

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The preparation is easily biodegradable.

CL50 (fish) > 100 mg/l, CE50 (daphnia) > 100 mg/l and CL50 (seaweed) > 100 mg/l, which classifies the preparation as « not dangerous » for the environment.

## 13 – DISPOSAL CONSIDERATIONS

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No special method of elimination is required, except those corresponding to the current rules fixed by the local authorities.

## 14 – TRANSPORTATION INFORMATION

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Product not concerned by the regulations of hazardous substances transport.

## 15 – REGULATORY INFORMATION

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The preparation contains no ingredient appearing on the list of dangerous substances of the appendix 1 of the Directive 67 / 548 / EEC. However, it is a dangerous preparation regarding the Directive 88 / 379 / EEC.

Labelling: Xn: harmful.

- R 42: cause a sensitisation by inhalation
- S 22: do not inhale dusts / sprayers
- S 24: avoid any contact with the skin
- S 36/37: wear protection clothes and appropriate gloves

## 16 – OTHER INFORMATION

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The information contained in this safety data sheet is considered, at the date of publication, to be true and correct. However, the precision and the exhaustiveness of this information, as well as all the recommendations and suggestions are given without guarantees. As the conditions of use are beyond the control of our company, it is up to the user to determine the conditions of the safest use of this preparation.

"We educate users about the risks involved when a product is used for purposes other than those for which it was designed. The user must know and apply all the regulations governing his activity."