

# MATERIAL SAFETY DATA SHEETS

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ENOLOGICA

 S.r.l.

S.P. 1/A - località NASSAR  
37020 PEDEMONTE di S.PIETRO IN CARIANO (Verona)

## 1. PRODUCT AND COMPANY IDENTIFICATION


1.1. Product Identification: **ZIMAROM**

Use: **Powdered enzyme preparation**

1.2. Supplier:      Producer       Seller

Address: c/o ENOLOGICA  S.r.l.

PEDEMONTE di S.PIETRO IN CARIANO (VR)

 + 39 045 - 6859017 (5 linee r.a.)

1.3. Emergency telephone: + 039 045- 6859017

## 2. COMPOSITION/INFORMATION ON INGREDIENTS: enzyme protein (pectinase)

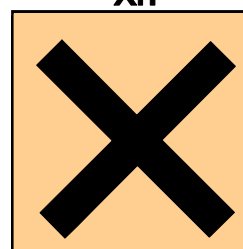
over 1-10%

Enzyme protein

Symbol:

**Xn**

N°CAS: 9032.75.1  
N°EINECS: 232-885-6



harmful

R: 42

## 3. HAZARDS IDENTIFICATION INCLUDING EMERGENCY INCLUDING EMERGENCY OVERVIEW:

Hazards identification:      Xn Harmful

Hazards for man and the environment:

Repeated inhalation of enzyme dust may induce sensitization and may cause allergic type reactions in sensitized individuals.

**4. FIRST AID MEASURES:**

<b>Skin:</b>	Wash off with plenty of water
<b>Eyes:</b>	Immediately flush with plenty of water for 15 mins
<b>Ingestion:</b>	Rinse mouth thoroughly with water.
<b>Inhalation:</b>	Remove from exposure. If symptoms of irritation or sensitization (shortness of breath, wheezing or labored coughing) occur, consult a doctor.

**5. FIRE FIGHTING MEASURES:**

Extinguishing Media:	<input checked="" type="checkbox"/> Atomized water
	<input checked="" type="checkbox"/> CO <sub>2</sub>
	<input checked="" type="checkbox"/> Dry Extinguishing

Non-suitable Extinguishing Media: **none**

Special exposure hazards: **none**

Protection against fire explosions: **no special requirements**

**6. ACCIDENTAL RELEASE MESAURES:**

After spillage avoid raising dust. Take up by mechanical means or by a vacuum equipped with a high efficiency filter. Diluite remainder with plenty of water. Avoid splasing and high pressur washing (formation of aerosol). Provide for sufficient ventilation. Wash contaminated clothing.

**7. HANDLING AND STORAGE:**

<b>Storage conditions:</b>	Keep in dry, fresh, well-ventilated rooms.
<b>Room conditions:</b>	Keep containers tightly sealed.
<b>Handling precautions:</b>	Avoid formation of dust

**8. EXPOSURE CONTROLS & PERSONAL PROTECTION**

<b>Respiratory protection:</b>	Respirator approved for this type of dust and potential airborne concentrations
<b>Protectives Gloves:</b>	Impermeable gloves
<b>Eye protection:</b>	Protecting glasses or eye shield
<b>Work Hygienic Practices:</b>	Remove/laundry contaminated clothing before reuse. Discard contaminated shoes & leather goods.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

	Solid	Paste	Liquid	Gas
<b>Physical state at 20° C</b>	[X]	[ ]	[ ]	[ ]
<b>Color and appearance:</b>	Off white to tan solid			
<b>Characteristic odour:</b>	Yes [X]	no [ ]		
<b>pH:</b>	4-5			
<b>Inflammability:</b>	- Flash point		°C	Non inflammable
	- Inflammability		°C	
	- Auto-inflammability		°C	
<b>Explosive properties:</b>	Not explosive			
<b>Comburent properties:</b>	Not comburent			
<b>Relative density at 20 °C</b>				
<b>Solubility in water at 20°C</b>	soluble [X]		emulsifying/disposable [ ]	blendable [ ]
<b>Other data:</b>				

**10. STABILITY AND REACTIVITY DATA**

Conditions to avoid:	none
Dangerous reactions:	none
Dangerous products of decomposition:	none

**11. TOXICOLOGICAL INFORMATION**

Repeatd inhalation of enzyme dust resulting from improper handling may induce sensitization and may cause allergic type reaction in sensitized individuals.

Oral rat LD50: > 2000 mg/kg b.w., classiefies preparation as "non toxic".

**12. ECOLOGICAL INFORMATION**

Product is believed not to be dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity. The preparation is readily biodegradable

**13. DISPOSAL CONSIDERATIONS**

No special disposal method required, except that it be in accordance with current local authority regulations.

**14. MSDS TRANSPORT INFORMATION:** Product without regulatory framework

- by road (ADR)	:
- by rail (RID)	:
- by sea (IMO)	:
- by air (ICAO/IATA)	:

**15. REGULATORY INFORMATION:**

- Italian regulations (DM 28/01/92):  
In compliance with labelling guidelines, the product is classified: "**Xn**" - Harmful.
- EEC labelling:
  - **R 42: May cause sensitization by inhalation**
  - **S 22. Do not breathe dust**
  - **S 24: Avoid contact with skin**

**16. OTHER INFORMATION**

This data sheet is in addition to the technical bulletin and does not replace it. The information is provided in good faith and to the best of our current knowledge. Given the numerous applications and interactions with materials beyond the manufacturer's control, no liability can be accepted for the above information.

**ENOLOGICA VASON Srl**  
(Giancarlo Vason)