

SAFETY DATA SHEET

Regulation (EC) n° 1272/2008 amending Regulation (EC) n° 1907/2006

Date: 19/08/2016

Page: 1/3
Ind. Rev.: 1

OENOZYM FW

1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE / COMPAGNY IDENTIFICATION

1.1. **Identification of the substance :** OENOZYM FW

1.2. **Relevant identified uses :** Specific preparation of yeast product derived (*Saccharomyces cerevisiae*) for use in Oenology

1.3. **Company / undertaking identification :**

LAMOTHE-ABIET - Z.A. ACTIPOLIS AVENUE FERDINAND DE LESSEPS - 33610 CANEJAN - FRANCE
Tel: +33 (0)5.57.77.92.92 Fax: +33 (0)5.56.86.40.02 / contact@lamothe-abiet.com www.lamothe-abiet.com

1.4. **Emergency Telephone :**

Contact the Anti-Poison department or your local hospital

2 – HAZARDS IDENTIFICATION



Danger symbol: Respiratory sensitization Catégorie 1

Risk sentences: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Instruction sentences: P261 Avoid breathing dust or mist.
P285 In case of inadequate ventilation wear respiratory protection.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Repeated inhalation of enzyme dust or aerosols resulting from improper handling may induce sensitization and may cause allergic type 1 reactions in sensitized individuals.

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Product nature: preparation: enzyme protein.

Hazardous components:

	<u>Polygalacturonasa</u>	<u>Béta-glucanasa</u>	<u>Maltodextrine</u>
N° CAS:	9032-75-1	9074-98-0	9050-36-6
N° EINECS:	232-885-6	232-979-7	232-940-4
% weight	50%		50%



4 – FIRST AID MEASURES

In case of eye contact: Rinse with water immediately and abundantly during 15 minutes by maintaining the eyelids opened. If an irritation develops, consult an ophthalmologist.

In case of inhalation: May cause allergic respiratory reaction. Aerate the room. Remove the patient from the contaminated premises and allow him to rest in a well ventilated area. If signs/symptoms continue, get medical attention.

In case of ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not drink or vomit. Rinse mouth with plenty of water. In case of persistent disorders, consult a doctor.

In case of skin contact: Wash with plenty of soap and water. If an irritation develops, consult an ophthalmologist.

5 – FIRE-FIGHTING MEASURES

Non-flammable.

Suitable Extinguishing Media: Water, CO₂, foam, chemical powders according to the materials involved in the fire.

Extinguishing media to be avoided: None in particular.

Risks arising from combustion: May cause allergic respiratory reaction.

Protective equipment: In case of fire, use protection for the respiratory tract.

6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: See § 8 below.

Carefully plan the environment: None.

Cleaning methods: If the product is in liquid form, stop it from entering the drainage system. Collect the product by mechanical means, rather with a vacuum cleaner equipped with an efficient filter. Appropriately absorb any spills with inert material and dispose of properly. Avoid the formation of dust and avoid plashing or washing under pressure (avoid the forming of sprayer). After picking up the product, rinse the area and materials with water.

7 – HANDLING AND STORAGE

Precaution for handling: avoid the forming of dust. Avoid splashing or washing under pressure. Insure a good ventilation of the premises during the manipulation of the preparation.

Storage conditions: The containers should always be tightly closed.

For local indication: Avoid exposure to humidity. Store in original sealed packages, in a cool dry place (off the floor) in an odour-free environment.

8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Precautions: Properly ventilate the premises where the product is stored and / or handled.

Technical measures: use an appropriate ventilation system to keep the quantity of dust under the breathable limit.

Parameters of control: Polygalacturonase / Béta-glucanase: DMEL = 60g/m³

Respiratory Protection: Wear protective mask (P3 filter – EN143) in little ventilated zones

Protection of hands: Wear waterproof protective gloves (UNI EN 420/UNI EN 374).

Eye protection: Wear safety glasses with lateral protection.

Skin Protection: Wear protective clothes which guarantee a total protection of the skin (ex cotton, PVC, cahoutchouc).

Exposure limit (ACGIH): None.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Aspect: granulate

Color off white and brown

Smell light smell of fermentation odour.

Other physico-chemical parameters are not relevant for the safety.

For further information, refer to the data sheet and to the Product sheet.

10 – STABILITY AND REACTIVITY

Chemically stable if stored in a dry and cool place. Avoid humidity.

Substances to avoid: none.

Danger of decomposition: none.



11 – TOXICOLOGICAL INFORMATION

Acute toxicity: This product has low toxicity. Only large volumes may have adverse impact on human health.

LD50 rat, oral : >2000 mg/kg

Skin corrosion/irritation: According to the available experimental studies: not irritating.

Eye damage/irritation: According to the available experimental studies: not irritating.

Respiratory /Skin sensitization: In some cases, repeated exposure may lead to allergic sensitization based on the exposure level, duration, and susceptibility of the individual. Subsequent chronic or acute exposure in sensitized persons may cause a respiratory allergic reaction in minutes or delayed, or a mixture of both. Typical symptoms are respiratory irritation, breathlessness, coughing, chest tightness and difficulty breathing. Immediately remove person to fresh air.

CMR (Carcinogenity, germ cell Mutagenicity, Reproductive toxicity): No known effects.

12 – ECOLOGICAL INFORMATION

Ecotoxicité : (aep = active enzyme activity)

LC50, fish, 48h : 458.3 – 326.7mg aep/L

LC50, D. Magna,24h : 31.7 - 457mg aep/L

ERC 50 Algae, 72h : >5.2mg aep/L

Obstinacy and degradability: The product is biodegradable and does not accumulate in the ground.

Potential of bioaccumulation: because of the coeff. of division(sharing) n-octanol-eau (log Pow), a notable accumulation in the bodies is not expected.

Other information: Negative results of PBT and vPvB assessment.

13 – DISPOSAL CONSIDERATION

Sweep or vacuum released product. Avoid raising dust.

No required method of special elimination Refer to national government, regional and local regulations before disposal procedure.

14 – TRANSPORT INFORMATION

According to the international rules of transport, this product is not hazardous materials.

Road transports: ADR = not referenced.

Rail transports: RID = not referenced.

River and maritime transports: DNA and IMDG = not referenced.

Air transports: ICAO / IATA = not referenced.

15 – REGULATORY INFORMATION

Particular regulations / legislation in the substance regarding safety, regarding health and regarding environment
Legislation EU:

- Listed as substance or dangerous preparation according to the regulation (CE) n°1272 / 2008 (CLP).

- Product concerned by the regulations on the labeling of hazardous substances.

-No limitations according to the appendix XVII of REACH. Does not contain substance candidate REACH.

- The product is considered not hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

- The product complies with the recommended purity specifications for food-grade enzymes given by the Joint FAO/WHO Expert Committee on Food Additives (JECFA) and the Food Chemical Codex (FCC).

Comply with any provision of national law in force.

16 – OTHER INFORMATION

The information given in this data safety sheet is considered to be true and correct at time of publication. However the precision and completeness of this information, including all regulations, are given without warranty.

As usage conditions are beyond our control, it is the user's responsibility to determine safe usage conditions for this product.

« We inform all users of the risks incurred when a product is used for practices other than those for which it is designed. The user must understand and apply the totality of the regulations controlling the activity».

