

PROELIF, PRORESTART, PRODESSERT

Date: 2020-01-09

Version: 08

1. IDENTIFICATION

- 1.1. Product identifier:** Encapsulated dry yeast *Saccharomyces cerevisiae* in alginate
- 1.2. Identified use:** For use in wine making
- 1.3. Manufacturer:** **PROENOL – INDÚSTRIA BIOTECNOLÓGICA, SA**
Travessa das Lages, 267
4410-308 Canelas, V. N. Gaia, PORTUGAL
T. (+351) 227 150 840, proenol@proenol.com
www.proenol.com
- 1.4. Emergency telephone:** Contact your local doctor or hospital. In the European Union, call 112.

2. HAZARD IDENTIFICATION

- 2.1.** Classification of the substance/ mixture according to the Globally Harmonized System (GHS) and to the Regulation 1272/2008/CE (CLP): Not dangerous
- 2.2.** Labelling according to the Globally Harmonized System (GHS) and to the Regulation 1272/2008/CE (CLP): None

3. INFORMATION ON INGREDIENTS

Substances component(s) which may pose a health hazard: None

4. FIRST AID MEASURES**4.1. Description of First Aid Measures:**

- Eye contact: Adequately flush eyes with water.
- Skin contact: Wash affected area with soap and water.
- Inhalation: Immediately remove person to fresh air.
- Ingestion: Rinse mouth and throat thoroughly with water. Drink plenty of water.

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

- Eye contact: Possible irritation
- Skin contact: May cause irritation
- Inhalation: May cause coughing (irritation) or irritate asthma. May cause sensitization.
- Ingestion: Possible bloating, gas, and bowel discomfort.

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

None; if any symptom persists seek medical attention.

5. FIRE-FIGHTING MEASURES**5.1. Extinguishing media:**

- Suitable: Water, foam, carbon dioxide, dry powder
- Unsuitable: None

5.2. Special hazards arising from the material:

None

5.3. Advice to firefighters:

Wear a self-contained breathing apparatus (SCBA) when exposed to confined or enclosed fires as product power could be in the air.

6. ACCIDENTAL RELEASE MEASURES**6.1. Personnel precautions:** None**6.2. Environmental precautions:** None**6.3. Methods and material for containment and cleaning up:**

Use a vacuum or broom and dust pan. Vacuum up or sweep the spill into a dust pan. Powder may be collected in a container or bag before being placed in the trash. Dispose of waste in the proper receptacle for trash.

6.4. References to other sections:

See section 8 for personal protective equipment and section 13 for waste disposal.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

Handling: Avoid breathing dust. Avoid contact with eyes.
Occupational hygiene: Wash hands thoroughly after handling.

7.2. Conditions for safe storage:

Risks: Not at risk for corrosion, fire, explosion, or chemical reaction.
No special instruction to minimize risks (see above).
Place of storage: Store according to label directions to maintain label guarantees.
Fire/ explosion protection: None needed
7.3. Specific end use: None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters:

Exposure limits: No limit
Biological limits: No limit

8.2. Exposure controls:

Engineering: None
Eye/face protection: None
Skin: Hand: Gloves are recommended. Wash and dry hands.
Respiratory protection: Other: None. Wear appropriate clothing for work.
Thermal protection: None
Environmental exposure: None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance: Brown beads
Odour: Not applicable
Solubility: Water dispersible
Odour threshold, pH, Melting point/ Freezing point, initial boiling and boiling range, Flash point, Evaporation rate, Flammability, Vapour pressure, Vapour density, Relative density, Partition coefficient (n-octanol/water); Auto-ignition temperature, Decomposition temperature, Viscosity, Explosive properties, Oxidising properties; Not applicable

9.2. Other information: None

10. STABILITY AND REACTIVITY

10.1. Reactivity: Not reactive
10.2. Chemical stability: Stable
10.3. Possibility of hazardous reactions: None
10.4. Conditions to avoid: None
10.5. Incompatible materials: None
10.6. Hazardous decomposition products: None

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity: No know effects
Skin corrosion/irritation: Possible irritation to skin
Eye damage/irritation: Possible irritation to eye
Respiratory/ Skin sensitization: Possible allergic reaction or sensitization
CMR (Carcinogenity, germ cell Mutagenicity, Reproductive toxicity): No know effects
Chronic effects: No know effects

12. ECOLOGICAL INFORMATION

12.1. Toxicity: No know ecological effects
12.2. Persistence and degradability: No persistence and the substance is bio-degradable.
12.3. Bioaccumulative potential: None
12.4. Mobility in soil: Not relevant

- 12.5.** Results of PBT and vPvB assessment: Not relevant
- 12.6.** Other adverse effects: None

13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods:**

Product and packaging can be disposed of in regular trash or waste. No special disposal method required. Follow all applicable local laws for recycling, bagging and disposal of trash.

14. TRANSPORT INFORMATION

- 14.1.** UN Number: Not relevant
- 14.2.** UN proper shipping name: Not relevant
- 14.3.** Transporting hazard class: Not classified as dangerous
- 14.4.** Packing group: Not relevant
- 14.5.** Environmental hazards: None
- 14.6.** Special precautions: None
- 14.7.** Transport in bulk according to Annex of MARPOL and the IBC code: Not relevant

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture:**

The format and content of this voluntary safety data sheet is based on regulations requirements. However, some information may not be included because it is not relevant for this type of product.

15.2. Chemical safety assessment: Not relevant**16. OTHER INFORMATION**

Disclaimer: The information, data and recommendations contained in this SDS, are provided in good faith, obtained from reliable sources, and believed to be true and accurate as of the date of revision. The SDS serves as description of the products in regard to necessary safety measures. No warranty, expressed or implied, regarding the product described in this SDS shall be created or inferred by any statement in this SDS.

Revision: The whole datasheet has been revised to ensure conformity with EC Regulation 1907/2006 (consolidated version).