

MALOFERM BACTERIA | MATERIAL SAFETY DATA SHEET (MSDS)

IDENTIFICATION OF THE PRODUCT AND COMPANY

Commercial Product Name:

Freeze-dried Lactic Acid Bacteria

Maloferm range: Maloferm Plus, Maloferm Fruity, Maloferm Vintage, Maloferm Bouquet

Description:

Freeze-dried bacteria *Oenococcus oeni* sp. for use in winemaking.

Supplier:

Company Name: Oenobrand SAS
Trading Name: Oenobrand
Business Address: Parc Scientifique Agropolis II – Bât 5
2196 Bd de la Lironde
Montpellier
France
Technical Contact Person: Elda Lerm
Position Title: International Product Manager
Contact Details: 021 534 1351
E-mail: elerm@anchor.co.za

COMPOSITION / INGREDIENTS

Active component: Freeze-dried bacteria *Oenococcus oeni* sp.

Synonyms: Wine bacteria

Substances/component that may pose a health hazard: None

HAZARDS IDENTIFICATION

Classification of the substance/mixture: Not dangerous according to Directive 1272/2008

Label elements: None

Other hazards: None

FIRST AID MEASURES

Description of first aid measures

Eye contact: Adequately flush eyes with water

Skin contact: Wash affected area with soap and water

Inhalation: Immediately move person to area with fresh air and ventilation

Ingestion: Rinse mouth and throat thoroughly with water; drink plenty of water

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

Indication of any immediate medical attention and special treatment needed

None; if any symptoms persist, seek medical attention

FIRE-FIGHTING MEASURES

Extinguishing media

Suitable: Water, CO₂, foam, dry powder

Unsuitable: None

Special hazards arising from the material

None

Protection of firefighters

Wear a self-contained breathing apparatus

ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with the eyes, skin and clothing; use appropriate protective equipment

Environmental precautions

None

Methods and materials for cleaning up

Small accidental spillage or leak: Avoid the formation of dust or spray. Mop up with appropriate material. Place in an appropriate container. Clean the area affected with plenty of water.

Large accidental spillage or leak: Avoid the formation of dust or spray. Prevent spillage in to the drains, subsoil or confined areas. Contain if necessary. Mop up the spilled product with inert material (e.g. dry sand or earth) and place in a chemical waste container. Recycle if possible.

HANDLING AND STORAGE

Precautions for safe handling

Handling: Avoid breathing dust and contact with eyes

Occupational hygiene: Wash hands thoroughly after handling

Conditions for safe storage

Risks:	Not at risk for corrosion, fire, explosion or chemical reaction
Storage:	No special instructions to minimise risk; store according to label instructions to maintain label guarantees
Fire/explosion protection:	None needed
Specific end use:	None

EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits:	No limit
Biological limits:	No limit

Exposure controls

Engineering:	None
Eye/face protection:	Protective glasses should be worn in conditions of excessive dust
Skin protection:	Hand - none Other - none; wear appropriate clothing for work
Respiratory protection:	Protective mask should be worn
Thermal protection:	None
Environmental exposure:	None

PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	White to beige powder
Odour:	Slight odour of fermentation
Solubility:	Partially soluble
Not applicable:	Odour threshold; pH; melting point/freezing point; initial boiling point 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

STABILITY AND REACTIVITY

Reactivity:	Not reactive
Chemical stability:	Stable
Possibility of hazardous reactions:	None
Conditions to avoid:	None
Incompatible materials:	None
Hazardous decomposition products:	None

TOXICOLOGICAL EFFECTS

Acute toxicity:	No known effects
Skin corrosion/irritation:	Possible irritation to skin
Eye damage/irritation:	Possible irritation to eye
Respiratory/skin sensitization:	Possible allergic reaction or sensitization
CMR (carcinogenicity, germ cell mutagenicity, reproductive toxicity):	No known effects
Chronic effects:	No known effects

ECOLOGICAL INFORMATION

Toxicity:	No known ecological effects
Persistence and degradability:	No persistence and the substance is bio-degradable
Bio-accumulative potential:	None
Mobility in soil:	Not relevant
Results of PBT and vPvB assessment:	Not relevant
Other adverse effects:	None

DISPOSAL CONSIDERATIONS

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.

TRANSPORT INFORMATION

Transportation hazard class:	Not classified as dangerous
Packing group:	Not relevant
Environmental hazards:	None
Special precautions:	None

REGULATORY INFORMATION

This format and content of this voluntary safety data sheet is based on regulation requirements. However, some information may not be included because it is not relevant for this type of product. This product is fit for human consumption and is not dangerous to health.

Chemical safety assessment:	Not relevant
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OTHER INFORMATION

The information contained in this Safety Data Sheet is accurate and complete, based on the knowledge available at present. However, nothing herein contained shall be construed to imply any warranty or guarantee. More detailed information on the physical and chemical properties can be requested from the supplier.

Disclaimer: The information is intended to aid the user in controlling the handling risks; it is not be construed as warranty or specification of the product quality. The information may not be or may not altogether be applicable to combination of the product with other substances or to particular applications. The user is responsible for ensuring that appropriate precautions are taken and for satisfying them that the data are suitable and sufficient for the product's intended purpose. In case of any ambiguity, we advise consulting the supplier. This document is valid for three years from date of issue. Changes in product and/or legislation will result in document updates.