

## SAFETY SHEET

### 1. Preparation and Company Details

#### 1.1 Preparation details

Nature of the product                      Freeze-dried bacterial culture

Commercial name                      *Lactobacillus rhamnosus* MDX

#### 1.2 Uses of the preparation

For use in foods and functional formulates

#### 1.3 Company details

CENTRO SPERIMENTALE DEL LATTE srl  
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26839 Zelo Buon Persico (LO)  
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### 2. Composition of/information on the ingredients

2.1 Bacterial culture of the following species:                      *Lactobacillus rhamnosus*  
Species included in QPS - EFSA list

2.2 other ingredients                      Sucrose

2.3 Possible excipient                      Maltodextrine

### 3. Identification of hazards

The product is harmless for humans and objects. Rare cases of sensitivity associated with inhalation and prolonged exposure to the skin have been observed. There are only a few known sporadic cases of secondary infection in immunodepressed patients.

### 4. First Aid procedures

Emergency and first aid procedures                      seek advice from a doctor

Inhalation                      the subject should breathe powder-free air and be taken outside into the fresh air

Ingestion                      ingestion does not cause any problems, unless the subject is allergic to one of the ingredients

Contact with the skin                      contact with the skin does not cause any problems unless the subject is allergic to one of the ingredients; wash under running water

Contact with the eyes                      wash the eyes thoroughly with water

## 5. Fire protection measures

Self-ignition point	not auto-flammable
Self-combustion temperature	not auto-flammable
Specific fire or explosion hazards	none
Extinguishing methods	water, CO <sub>2</sub> or powder extinguishers
Specific fire-protection measures	none

## 6. Actions in the event of accidental spillage

Individual precautions	when there are significant quantities of product to be recovered, use gloves and protective clothing to protect the respiratory system and the eyes
Environmental precautions	use a vacuum cleaner to clean up the spilt product

## 7. Handling and storage

### 7.1 Handling

Work in well ventilated areas with low relative humidity, do not heat the product on naked flames, avoid prolonged exposure to direct sunlight.

### 7.2 Storage

Keep the product at a temperature of  $\leq 8^{\circ}\text{C}$ . Follow the storage instructions stated on the label.

### 7.3 Particular uses

Not anticipated.

## 8. Personal protection/exposure control

8.1 Maximum limits of TLV exposure	LD <sub>50</sub> : not applicable
8.2.1 Control of staff exposure	
Respiratory protection	The use of a protective mask is recommended.
Protection of hands	Use sterile gloves.
Protection of eyes	Use safety goggles.
Protection of skin	No particular precautions under normal conditions of use.

## 9. Physical and chemical properties

### 9.1 General information

Appearance	cream-coloured powder
Smell	typical

### 9.2 Important information on human health, safety and the environment

pH (10% <sub>op/v</sub> aqueous solution)	5 – 6.5
Boiling point/interval	not applicable
Flammability point	not applicable

Product flammability	not auto-flammable
Product's explosive properties	not explosive
Combustible properties	the product has no combustible properties
Relative density	N.D.
Solubility	completely soluble in aqueous solution; insoluble in organic solvents

## 10. Stability and reactivity

The preparation is stable under the conditions stated on the technical sheet.

### 10.1 Conditions to avoid

Avoid contact with acids and strong bases and highly oxidizing agents.

### 10.2 Materials to avoid

To prevent contamination of the product, avoid contact with containers or materials which are not sterile.

### 10.3 Dangerous products of decomposition

None.

## 11. Toxicological information

There are no known cases of acute or chronic toxicity. There are only a few known sporadic cases of secondary infection in immunodepressed patients. Hypersensitive reactions to one of the ingredients cannot be ruled out in predisposed subjects.

## 12. Ecological information

### 12.1 Ecotoxicity

Biodegradable product. There is no known data on the product's environmental toxicity.

## 13. Observations on disposal

Avoid disposing the product into the environment. Comply with national regulations.

## 14. Information on transport

The product is not subject to any particular safety standards regarding its transport.

## 15. Information on standards

The product is not classified as hazardous according to Directive 1272/2008/EC.

Labelling according to current regulations.

R and S phrases not required.

## 16. Other information

This Technical Sheet is an integral part of the product's Technical Specifications.

The information contained herein is based on current knowledge of the product, as at the date of this revision.

It is moreover stated that all the information provided refers to the product with integral packaging and original composition.

Users are responsible for the product's correct use.