

# Springcell Manno

The content of this Safety Data Sheet complies with EC Directive 2001/58/EC.

Substance not classified as hazardous according to the classification rules in Regulation EC 1272/2008 – Safety data sheet provided on voluntary basis

## 1 SUBSTANCE AND COMPANY IDENTIFICATION

### 1.1 SUBSTANCE IDENTIFICATION

Springcell Manno represents yeast cell walls which are the insoluble fraction obtained after the autolysis of *Saccharomyces cerevisiae*, primary grown on a molasses based media.

### 1.2 IDENTIFIED USES

Food ingredient.

### 1.3 COMPANY IDENTIFICATION

Supplier: SOCIETE INDUSTRIELLE LESAFFRE, Division Fermentis  
Address: 137, rue Gabriel Péri  
59703 Marcq-En-Baroeul – FRANCE  
Phone: +33 3 20 81 62 75  
Fax: +33 3 20 81 62 70  
E-mail: [fermentis@lesaffre.fr](mailto:fermentis@lesaffre.fr)

## 2 HAZARDS IDENTIFICATION

Eye: Dust may cause mechanical irritation.  
Skin: Repeated contacts may cause irritation.  
Inhalation: May cause irritation to mucous membranes of nose, throat and lungs.  
Ingestion: Not applicable.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

Yeast cell walls are natural ingredients containing:

- Beta-glucans,
- Mannoproteins,
- Phospholipids.

## 4 FIRST AID MEASURES

Eye contact: Flush with running water. If irritation or adverse symptoms develop, seek medical attention.  
Skin contact: Wash skin with plenty of cold water. If irritation or adverse symptoms develop, seek medical attention.  
Inhalation contact: Remove from exposure. If illness or adverse symptoms develop, seek medical attention.  
Ingestion contact: In case of ingestion of large quantities, get medical assistance.

## 5 FIREFIGHTING MEASURES

Suitable extinction medium: Water, dry chemical, foam or CO<sub>2</sub>.  
Contra-indicated extinction means: None.  
Particular risks: None.

## 6 ACCIDENTAL RELEASE MEASURES

Particular precautions: Personal protective equipment must be used.  
Precautions for environment protection: Avoid discharging directly into the sewers (organic pollution)  
Cleaning method: Easily eliminated by simply washing in water. Avoid high pressure rinsing.

## 7 HANDLING AND STORAGE

### 7.1 HANDLING

Ensure adequate air extraction in order to prevent from dust inhalation.

### 7.2 STORAGE

Store in a dry and cool place in its original packaging.  
Yeast cell walls can pick up flavours from the products stored in the same area.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Safety mask to prevent from dust inhalation.  
Ventilation: Use adequate ventilation.  
Hand protection: Water proof gloves.  
Eye protection: Protective goggles.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Highly hygroscopic powder
Colour:	Light beige
Odour:	Typical of yeast
pH:	2.7-3.7 (10% solution, may vary according to grades)
Breakdown temperature:	> 100°C
Self-ignition temperature:	> 250°C
Danger of explosion:	<b>Class 1 dust</b>
Minimal ignition temperature in 5 mm layer:	> 400°C
Minimal ignition temperature in cloud:	> 490°C
Minimal Ignition Energy (MIE):	1000 mJ < MIE
Violence of explosion:	
- Pmax (bar):	5.1
- (dP/dt) max (bar/s):	202
- Kst (bar.m/s):	55
- Class:	1
Density (g/cm <sup>3</sup> ):	0.3 - 0.6

## 10 STABILITY AND REACTIVITY

Yeast cell walls have bacteriological stability when kept in its original packaging, stored in a cool and dry place protected from direct sun-light.

Conditions to be avoided:	Prevent dust dispersion (explosion risk)
Matters to be avoided:	N/A
Hazardous breakdown products:	N/A

## 11 TOXICOLOGICAL INFORMATION

Repeated inhalations of dust may cause sensitisation and will cause allergic type reaction in sensitised individual.

## 12 ECOLOGICAL INFORMATION

Yeast cell walls are highly biodegradable.

## 13 DISPOSAL CONSIDERATIONS

Product and contaminated packaging must be disposed of in accordance with local regulations.

## 14 TRANSPORT INFORMATION

This product is not a dangerous good according to the international transport regulations.

Road transport:	ADR: Not regulated
Rail transport:	RID: Not regulated
Sea and inland waterway transport:	ADN: Not regulated IMDG: Not regulated
Air transport:	ICAO/IATA: Not regulated

## 15 REGULATORY INFORMATION

Yeast cell walls are not classified under EC 1272/2008 Regulation (CLP).

## 16 OTHER INFORMATION

For industrial use only.

*The information provided in this Safety Data Sheet is based on the state of our knowledge relative to the concerned product, at the date of the revision of this Safety Data Sheet. This Safety Data Sheet is not to be construed as a warranty or quality specification. The attention of the user is drawn to the possible risks and hazards incurred when a product is used for purposes other than those for which it is designed in this Safety Data Sheet: it is the responsibility of the user to assess the applicability of the information and recommendations provided in this Safety Data Sheet and its suitability for its own activities and purposes. FERMENTIS will not be held liable for any use of the product which is not consistent with the information provided word for word in this Safety Data Sheet.*