

SAFMANNAN

Safety data sheet n°FDS008G

1. IDENTIFICATION

| | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name | SAFMANNAN |
| Chemical type | Yeast cell walls issued from <i>Saccharomyces cerevisiae</i> |
| Use of the product | Feed material |
| Supplier | Phileo Division of S.I.Lesaffre 137 rue Gabriel Péri 59700 Marcq-en-Barœul - France Tel : +33 (0)3.20.81.61.00 e-mail : info@phileo.lesaffre.com |
| Emergency telephone number | France (ORFILA) : + 33 (0)1 45 42 59 59 |

2. HAZARDS IDENTIFICATION

Classification

The product is not classified as hazardous according to Regulation (EC) n°1272/2008.
No specific hazard under normal conditions of use.

Label elements

Not applicable

3. INGREDIENTS COMPOSITION AND INFORMATIONS

| | |
|-------------|-------------------------------------------------------|
| Ingredients | Yeast cell walls from <i>Saccharomyces cerevisiae</i> |
| CAS number | Not applicable |

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 | Remove from exposure. If illness or adverse symptoms develop, seek medical attention. |
| Ingestion | In case of ingestion of large quantities, get medical assistance. |

5. FIRE FIGHTING MEASURES

| | |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Extinguishing media | Water, foam or CO ₂ |
| Special hazards arising | None |
| Advice for fire-fighters | Do not attempt to fight the fire without suitable protective equipment : wear suitable breathing apparatus and complete protective clothing. |

| 6. ACCIDENTAL RELEASE MEASURES | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for environment protection | Avoid discharging directly into sewers (organic pollution). |
| Methods and material for containment and cleaning up | Easily eliminated simply washing in water. |
| Reference to other sections | For further information see section 13. |
| 7. HANDLING AND STORAGE | |
| Handling | Ensure adequate air extraction in order to prevent from dust inhalation. |
| Storage | Store in a dry and cool place, in its original packaging. Yeast cell walls can pick up flavour from the products stored in the same area. |
| 8. EXPOSURE CONTROL / INDIVIDUAL 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 PROTECTION | |
| Appearance | Highly hygroscopic powder |
| Odour | Typical of yeast |
| Colour | Light beige |
| pH (10% solution) | 2,7 - 3,7 |
| Breakdown temperature | > 100°C |
| Self-ignition temperature | > 250°C |
| Danger of explosion | Class 1 dust |
| 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 ³) | 0,3 - 0,6 |
| 10. STABILITY AND REACTIVITY | |
| Yeast cell walls have bacteriological stability when kept in their original packaging, stored in a cool and dry place protected from direct sunlight. | |
| Conditions to avoid | Prevent dust dispersion (explosion risk) |
| Incompatible materials | None, to our knowledge |
| Hazardous decomposition products | None |

11. TOXICOLOGICAL INFORMATION

Product may be irritating to eyes.
Prolonged skin contact may cause minor irritation or dermatitis.
May cause allergic reaction if swallowed by susceptible individuals.

12. ECOLOGICAL INFORMATION

Yeast cell walls are highly biodegradable.

13. DISPOSAL CONSIDERATION

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

14. TRANSPORT INFORMATION

Road transport (ADR)

Rail transport (RID)

Sea and inland waterway transport (ADN/IMDG)

Air transport (ICAO/IATA)

Not regulated

15. REGULATORY INFORMATION

Compliant with relevant European food and feed regulations.
Chemical safety assessment : not applicable.

16. OTHER INFORMATION

Glossary

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS : Chemical Abstracts Service

CLP : Classification, Labelling, Packaging

IATA : International Air Transport Association

IMDG : International Maritime Code for Dangerous Goods

RID : Regulation concerning the International Transport of Dangerous Goods by Rail

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.

The information provided in this Safety Data Sheet is additional to the technical leaflets but does not replace them.

This Safety Data Sheet only constitutes a guidance for safe handling, use, process, storage, transport, consumption and disposal of the product. It is not to be construed as a warranty or quality specification of the product.

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, purposes and products.

Phileo shall 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.

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