



Freeze-dried cultures



Safety data sheet

1. Identification of the substance/mixture and of the company

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| <i>Product name</i> | Freeze-dried cultures of bacteria. |
| <i>Intended use</i> | Production of food products. |
| <i>Supplier</i> | Sacco S.r.l. Via Manzoni 29/A, 22071 Cadorago (CO), Italy Tel. +39 031 8866611 Fax +39 031 904596 |
| <i>Emergency phone</i> | +39 02-6610-1029 (Centro Antiveleni Niguarda Ca' Granda - Milano). |

2. Hazards identification

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| <i>Classification</i> | No specific risk is known when the product is correctly used. No harmful substances are contained according to Directive 67/548/EC and to Regulation (EC) No. 1272/2008 (CLP) for classification, labelling and packaging of substances and mixtures. |
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3. Composition/information on ingredients

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| <i>Composition</i> | Freeze-dried microbial cultures maybe blended with carrier. |
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4. First aid measures

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| <i>Skin contact</i> | Rinse with water. |
| <i>Eye contact</i> | Check for and remove any contact lenses. In case of contact immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs. |
| <i>Inhalation</i> | Not an expected route of exposure. |
| <i>Ingestion</i> | Rinse mouth with water. If irritation persists seek medical attention. |

5. Fire-fighting measures

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| <i>Extinguishing media</i> | Non-flammable product. Use fire-fighter protection and adapted extinguishers for type of surrounding fire. |
| <i>Special fire-fighting procedure</i> | Not applicable. |
| <i>Unusual fire or explosion hazard</i> | Not applicable. |

6. Accidental release measures

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| <i>Methods for clearing up</i> | Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose according to local and regional authority requirements. |
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7. Handling and storage

Handling Avoid dust formation. Handle in accordance with good manufacturing practice.

Storage Freeze-dried cultures should be stored below -17°C and kept in the original sealed pouches. Exceeding temperatures may cause loss of activity/reduced shelf life.

Specific enduser Anyone.

8. Exposure controls/personal protection

Control parameters Not required.

Exposure controls

Personal protection Not required. If irritation occurs personal protection (e.g. glasses, mask and/or gloves) should be used.

Respiratory protection Not required. If irritation occurs personal protection (e.g. mask) should be used.

Hand protection Not required. If irritation occurs personal protection (e.g. gloves) should be used.

Eye protection Not required. If irritation occurs personal protection (e.g. glasses) should be used.

Skin protection Not required. If irritation occurs personal protection (e.g. mask and/or gloves) should be used.

9. Physical and chemical properties

Appearance Brownish granulate mixed with a carrier giving an off-white blend with brownish particles.

Odour The cultures have a slight broth-like odour.

pH Newly made watery solution is approx. pH 6-7.

Boiling point No data available.

Flash point, °C Not applicable.

Flammability No data available.

Explosive properties No data available.

Oxidising properties No data available.

Vapour pressure No data available.

Relative density No data available.

Solubility Dispersible in water.

Water solubility Dispersible in water.

*Partition coefficient:
n-octanol/water* No data available.

Viscosity No data available.



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| <i>Vapour density</i> | No data available. |
| <i>Evaporation rate</i> | No data available. |
| <i>Other information</i> | No data available. |

10. Stability and reactivity

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|---|--------------------------------------|
| <i>Conditions to avoid</i> | High humidity and high temperatures. |
| <i>Materials to avoid</i> | None. |
| <i>Hazardous decomposition products</i> | Not known. |

11. Toxicological information

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| <i>Skin contact</i> | May be irritating for sensitive persons. |
| <i>Eye contact</i> | May be irritating for sensitive persons. |
| <i>Inhalation</i> | Sensitivity may occur. |
| <i>Ingestion</i> | May be irritating for sensitive persons. |
| <i>Toxicological data</i> | May be irritating for sensitive persons. |

12. Ecological information

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| <i>Toxicity</i> | Readily degraded in the environment. Adverse ecological effects cannot be excluded if improperly handled or disposed (avoid product getting into natural environment). |
| <i>Mobility</i> | No data available. |
| <i>Persistence and degradability</i> | No data available. |
| <i>Bio-accumulative potential</i> | No data available. |
| <i>Results of PBT assessment</i> | No data available. |
| <i>Other adverse effects</i> | No data available. |

13. Disposal considerations

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| <i>Waste disposal of product</i> | In compliance with national regulations. |
| <i>Waste disposal of packaging</i> | Must be disposed in compliance with specific national regulations. |

14. Transport information

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| <i>ADR/RID</i> | Non- hazardous goods. |
| <i>IMO/IMDG</i> | Proper shipping name. |
| <i>(ICAO/IATA)</i> | Non- hazardous goods. |



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15. Regulatory information

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|-------------------------|---|
| <i>Labelling</i> | The product is not classified as “harmful” according to Regulation (EC) No. 1272/2008 (CLP) for classification, labelling and packaging of substances and mixtures. |
| <i>Hazard pictogram</i> | Not required. |
| <i>Hazard statement</i> | Not required. |

16. Other information

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| <i>Further information</i> | This information, as of the issue date, is to our knowledge trustworthy and presented in good faith. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company it is the responsibility of the user to determine the conditions of safe use of this preparation. The information in this MSDS does not represent analytical specifications, for which please refer to our technical data sheet. |
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