

SAFETY DATA SHEET

CRIOFERM

Revision No. 5, October 2023; Complies with Reg (EU) 2020/878

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE MANUFACTURING COMPANY

1.1 Product identification

Trade name: Crioferm

Chemical name and synonyms: Saccharomyces Cerevisiae yeast, lievito secco attivo, active dry yeast.

1.2 Relevant identified uses of the substance/mixture and uses not recommended

Food additive, for professional use only.

1.3 Information about the supplier of the safety data sheet

essedielle srl

S.P. 538 km. 6,950 - CALDARI

66026 ORTONA (CH)

ITALY

Phone: +39 (0) 85 9031315

Qualified persons responsible for the safety data sheet: laboratorio@essedielle.com

1.4 Emergency telephone number:

essedielle srl +39 (0) 85 9031315 – 0039 3668134126

Poison Control Center

S.S. Annunziata Hospital – Chieti +39 0871 1551219

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product is not considered hazardous according to EC Regulation 1272/2008 (CLP).

Physicochemical effects harmful to human health and the environment: no other hazards.

2.2 Label elements

Symbols: none

Indications of danger: none

Precautionary statements: none

Special provisions: none

Special provisions according to Annex XVII of REACH and subsequent adaptations: none

2.3 Other hazards

vPvB substances: none - PBT substances: none

Other hazards

No other hazards.

3. COMPOSITION/INGREDIENT INFORMATION

3.1 Substances

Identification of the substance: none

Hazardous components under EC Regulation 1272/2008 (CLP) and their classification: none

3.2 Mixture

No mixtures, pure product.

4. FIRST AID MEASURES

4.1 Description first aid measures

In case of inhalation: remove the casualty to fresh air. If breathing is difficult give oxygen or practice artificial respiration.

In case of skin contact: remove contaminated clothing immediately. Immediately wash areas of the body that have come in contact with the toxicant, even if only suspected, with plenty of running water and soap if necessary. Wash the body completely (shower or bath).

In case of eye contact: wash immediately with running water with open eyelids for at least 15 minutes. Consult an ophthalmologist. Protect the uninjured eye.

In case of ingestion: induce vomiting. Seek immediate medical attention, showing the safety data sheet.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing means

Suitable extinguishing means

Water. Carbon dioxide (CO₂).

Extinguishing media that should not be used for safety reasons

None in particular.

5.2 Special hazards from combustion products

It can decompose at high temperatures, releasing toxic gases. Ammoniacal. Phosphorus oxides.

5.3 Recommendations for fire suppression operators

Use respiratory protection. Safety helmet and full protective clothing. Water mist can be used to protect people engaged in extinguishing. It is also advisable to use self-contained breathing apparatus, especially if working in closed, poorly ventilated places and in any case if using halogenated extinguishing agents (fluobrene, solkane 123, naf etc.). Cool containers with water jets.

5.4 Other information

Water used in firefighting that is contaminated with the product should be disposed of in accordance with local regulations.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 Personal precautions, personal protective equipment and emergency procedures

Wear personal protective equipment. Move people to a safe place. Refer to the protective measures set out in section 7 and 8.

6.2 Environmental precautions

Prevent penetration into the soil/subsoil. Prevent runoff into surface water or sewage system.

6.3 Methods and materials for containment and remediation

Small quantities: wash with plenty of water.

6.4 Reference to other sections

See also paragraph 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not eat or drink while working. Also refer to section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Incompatible materials: none.

See also section 10 below.

Indication for premises: adequately ventilated premises.

7.3 Specific end uses

Food industries: handle with care. Store in a clean, dry and ventilated environment, away from heat sources and direct sunlight. Keep container tightly closed.

Industrial uses: handle with extreme care. Store in a well-ventilated place and away from heat sources.

Professional uses: handle with caution.

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

8.1 Control parameters

DNEL exposure limit values: data not available.

PNEC exposure limit values: data not available.

8.2 Exposure controls

Eye protection

Operate according to good working practices.

Skin protection

No special precautions are required for normal use.

Hand protection

Use chemical-resistant protective gloves.

Respiratory protection

During manual operations in case of inadequate ventilation, use mask with dust filter - White, P (EN 143) unless otherwise directed by RSPP and/or environmental hygiene survey assessments.

Thermal hazards

None.

Environmental exposure controls

None.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on general physical and chemical properties

Appearance	Beige granules
Shape	Granular
Color	Beige
Odor	Yeast
Olfactory threshold	None
Ph value	5.6 sol 5%

CHANGE OF STATE	
Melting point/interval	Not determined
Boiling point/interval	Not determined
Flash point	Non-flammable
Flammability (solids, gases)	Non-flammable
Auto-ignition temperature	Not determined
Decomposition temperature	150 °C
Explosive properties	Non-explosive
Lower flammability limits	Not determined
Upper flammability limits	Not determined
Vapor pressure at 20°C	Not determined
Density at 20°C	Not determined
Relative density	Not determined
Vapor density at 20°C	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water:	Completely soluble
Specific rotation	Not determined
Partition coefficient: n-octanol/water	Not determined
Dynamic Viscosity at 20 °C	Not determined
Kinematic Viscosity	Not determined

9.2 Other information

Molecular mass	Not determined
Conductivity	Not determined
Liposolubility	Not determined
Particular properties groups of substances	
Other Useful Information	None

10. STABILITY AND RESPONSIVENESS

10.1 Responsiveness

Under normal conditions, it is completely stable to air and light.

10.2 Chemical stability

Under normal conditions, it is completely stable to air and light.

10.3 Possibility of dangerous reactions

No dangerous reaction.

10.4 Conditions to be avoided

None in particular.

10.5 Incompatible materials

None in particular.

10.6 Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information regarding the mixture: the product is non-toxic.

Unless otherwise specified, the data required by Regulation 453/2010/EC below are intended to be undetermined:

ATE (mix) oral = ∞
ATE (mix) dermal = ∞
ATE (mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) corrosion / skin irritation: based on available data the classification criteria are not met.
- (c) severe eye injury/irritation: based on available data the classification criteria are not met.
- (d) respiratory or skin sensitization: based on available data the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure: based on available data the classification criteria are not met.
- (j) Aspiration hazard: based on available data the classification criteria are not met.

Health hazards

Eye contact: accidental contact of the product with the eyes may cause irritation.

Skin contact: the product is not an irritant. Repeated and prolonged direct contact may degrease and irritate the skin, causing dermatitis in some cases.

Ingestion: ingested product may cause irritation of the mucous membranes of the throat and digestive tract resulting in abnormal digestive symptoms and intestinal disorders.

Inhalation: prolonged exposures to vapors or mists of the product may cause respiratory tract irritation.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

(a) Acute aquatic toxicity

Product that poses no special risk to the environment.

12.2 Persistence and degradability

Not relevant, inorganic substance.

12.3 Bioaccumulation potential

Minimal, not relevant.

12.4 Mobility in soil

N.A.

12.5 Results of PBT and vPvB assessment

vPvB substances: none - PBT substances: none

12.6 Other adverse effects

None. Phosphate is a plant nutrient and therefore can promote the growth of phytoplankton in water.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

PRODUCT

Inorganic product not to be disposed of through biological treatment systems. Dispose of residues in compliance with current regulations through authorized disposers.

Recover if possible. Operate in accordance with current local and national regulations.

CONTAMINATED PACKAGING

Empty as best as possible by fully opening them. Dispose of in accordance with the constituent material.

13.2 HP Phrases

None.

14. TRANSPORTATION INFORMATION

14.1 UN Number

Non-dangerous good within the meaning of transport regulations.

14.2 UN proper shipping name

N.A.

14.3 Transport hazard class(es)

N.A.

14.4 Packing group

N.A.

14.5 Environmental hazards Marine pollutant

No

14.6 Special precautions for users

N.A.

14.7 Transport of bulk according to MARPOL Annex II and the IBC Code

N.A.

15. REGULATORY INFORMATION

15.1 Health, safety and environmental regulations and legislation specific to the substance or mixture

Legislative Decree 3/2/1997 No. 52 (Classification, packaging and labeling of dangerous substances)

Legislative Decree 14/3/2003 No. 65 (Classification, packaging and labeling of dangerous preparations)

D.M. Labor 26/02/2004 (Occupational exposure limits)

Ministerial Decree 03/04/2007 (Implementation of Directive No. 2006/8/EC)

Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EC) No. 790/2009 (ATP 1 CLP)

Regulation (EU) No 453/2010 (Annex I)
Regulation (EU) No 286/2011 (ATP 2 CLP)
Restrictions on the product or substances contained under Annex XVII of the
Regulation (EC) 1907/2006 (REACH) and subsequent adaptations: None
Where applicable, please refer to the following regulations:
Ministerial Circulars 46 and 61 (Aromatic Amines).
Legislative Decree No. 238 of September 21, 2005 (Seveso Ter Directive).
EC Regulation No. 648/2004 (Detergents).
Royal Decree January 9, 1927, no. 147 (Toxic Gases)
D.L. 3/4/2006 n. 152 Environmental regulations.

15.2 Chemical safety assessment

No

16. OTHER INFORMATION

This sheet cancels and replaces any previous edition.

This document was prepared by a technician who is competent in SDS and has received appropriate training according to the current regulations Reg. CE 830/2015.

Main bibliographic sources

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities.
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition -Van Nostrand Reinold
CCNL - Annex 1
National Institute of Health - National Inventory of Chemical Substances.

The information contained herein is based on our knowledge as of the date above.
It refers only to the product indicated and does not constitute a guarantee of any particular quality.

The user is responsible for ensuring the suitability and completeness of this information in relation to the specific use to be made of it.

LEGEND SYMBOLS

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Service of the Chemical Abstract (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived no-effect level.
EINECS: European inventory of existing chemicals on the market.
GefStoffVO: Ordinance on hazardous substances, Germany.
GHS: General harmonized system of classification and labeling of chemicals.
IATA: International Air Transport Association.
IATA-DGR: Regulations for the transportation of dangerous goods of the "International Air Transport Association"(IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions of the "International Civil Aviation Organization"(ICAO).
IMDG: International Maritime Dangerous Goods Code.
INCI: International nomenclature of cosmetic ingredients.
KSt: Coefficient of explosion.
LC50: Lethal concentration for 50 percent of the population tested.
LD50: Lethal dose for 50 percent of the population tested.
N.A.: Not Available
PNEC: Predicted no-effect concentration.

RID: Regulations concerning the international transport of dangerous goods by rail.

STE: Short-term exposure.

STEL: Short-term exposure limit.

STOT: Specific target organ toxicity.

TLV: Threshold limit value.

TWATLV: Threshold limit value for an 8-hour weighted average exposure per day. (ACGIH standard).

WGK: German water hazard class.