Immo-Lipase 11

Immobilized Candida Antarctica Lipase

1. Substance identification and company information

Product identifier

- Catalogue Number: CAS No: 9001-62-1
- Product name: Immo-Lipase 11
- Product type: Granules of immobilized enzyme

Relevant identified uses of the substance or mixture and uses advised against

- Recommended use: Biocatalysis in Industry

Detail of the Distributor / Supplier

- Supplier: Zymvol Biomodeling SL
- Address: Carrer de Pau Claris, 94, 08010, Barcelona, Catalonia, Spain
- Email: info@zymvol.com
- Telephone (working hours): (+34) 690036070
- Manager's email: ddias@zymvol.com

Emergency contact number

- Telephone (working hours): (+34) 690036070
- Manager's email: ddias@zymvol.com
- Availability: Monday–Friday, 09:30–17:30 (CET)

2. Hazards identification

a. Classification according to Regulation (EC) No 1272/2008 (CLP) OR the CL inventory

Respiratory sensitization: Category 1

b. Label elements

Labelling according to regulation (EC) No 1272/2008 (CLP)



Signal word:	**Danger**
Signal statement	H334 - may cause allergy or asthma symptoms
Precautionary statements Preventions	P261 - Avoid breathing dust/fume/gas/mist/spray
Precautionary statements Response	P285 - In case of inadequate ventilation wear respiratory protection
Precautionary statements Disposal	P501 - Dispose of contents in accordance with local, regional, national, international regulation.

3. Composition

Ingredient name	Weight %	CAS No. As per Reg EC1272/2008	IUB No
Enzyme protein	<10	9001-62-1	3.1.1.3
Copolymer of methacrylate, cross linked	Not hazardous according to regulation (EC) 1272/2008 (GHS)		

4. **First aid**

   General advice: in case of an accident and feeling unwell, seek medical advice immediately (show the label where possible)

   Inhalation: move to fresh air. Call a physician immediately

   Skin contact: rinse with plenty of water and seek medical advice

   Ingestion: do not induce vomiting without medical advice

   Eye contact: rinse with plenty of water and seek medical advice

   Most important symptoms and effects: none foreseeable

   Protection of first-aiders: no information

   Medical conditions aggravated by exposure: unknown

5. **Fire fighting**

   Suitable extinguishing media: use existing measures that are appropriate to local circumstances and the surrounding environment.

   Unsuitable extinguishing media: No information available

   Specific hazards arising from the substance or mixture: unknown

   Unusual hazards: unknown

   Special protective equipment for firefighters: wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

   Flashpoint: unknown

   Autoignition temperature: unknown

6. **Accidental Release measurements**

   Personal precautions, protective equipment and emergency procedures:

   Personal precautions: Ensure adequate ventilation

   For emergency responders: Use personal protective equipment recommended in section 8

Environmental precaution: Not applicable

Methods and material for containment and cleaning up: Not applicable

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Take up mechanically, placing appropriate containers for disposal

Reference to other sections: See section 8 for more informations

7. Handling and storage

Advice on safe handling: Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice

Hygiene measurements: Handle in accordance with good industrial and safety practice.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place

Storage: 0 - 4 °C

Handling: use only in areas with appropriate exhaust ventilation

Incompatible products: None known based on information supplied

Specific end-use

Risk management methods (RMM)

The information required is contained in this material safety data sheet

Incompatible products: flammable products

8. Exposure control measures

Control parameters

Exposure limits: Ingredients with workplace control parameters

Derived No Effect Level (DNEL): No information available

Predicted No Effect Concentration (PNEC): No information available

Exposure control: none under normal use conditions.

Engineering measurements: Apply technical measures to comply with the occupational exposure limits: For rescue and maintenance work in storage tanks use self-contained breathing apparatus.

Personal protective equipment:

Eye Protection: If splashes are likely to occur, wear safety glasses with side shields (EU standard EN 166)

Hand Protection: Protective gloves (EU standard EN 374)

Skin and body protection: Wear suitable protective equipment, boots

Respiratory protection: no protective equipment is needed under normal use conditions

Environmental exposure controls: The product should not be allowed to enter drains, water courses or the soil.

9. Physical and chemical and properties

Physical state: solid (powder or pellet)

Appearance: beads

Odour: burnt molasses

Color: No information available

Melting point: unknown

Boiling point/range: unknown

Density: unknown

Water solubility : ≥ 300 mg/mL

Chemical properties

Property	Value	Property	Value
pH	No information available	Relative density	No information available
Melting point	No information available	Water solubility	Not applicable

Boiling point	No information available	Solubility in other solvents	No information available
Flash point	No information available	Partition coefficient	No information available
Evaporation rate	No information available	Autoignition temperature	No information available
Flammability	No information available	Decomposition temperature	No information available
Flammability limit in air	No information available	Viscosity	No information available
Vapor pressure	No information available	Explosive properties	No information available
Vapor density	No information available	Oxidization properties	No information available

10. Stability and reactivity

Reactivity: No data available

Chemical stability

Stability as solid: stable under recommended storage conditions

Stability as water solution: stable under recommended storage conditions

Explosion data

Sensitivity to mechanical impact: No Information available

Sensitivity to mechanical impact:: No Information available

Possibility to hazardous reaction: None under normal processing conditions

Conditions to avoid: None known based on information supplied

Incompatible materials: No Information available

Hazardous decomposition products: None under normal use conditions

11. Toxicological information

Information on toxicological effects

Acute toxicity

Product information

Product does not present an acute toxicity hazard based on known or supplied information

Inhalation: There is no data available for this product

Eye contact: There is no data available for this product

Skin contact: There is no data available for this product

Ingestion: There is no data available for this product

Skin corrosion/irritation: No information available

Serious eyes damage/irritation: No information available

Sensitization: No information available

Mutagenic effects: No information available

Carcinogenic effects: No information available

Reproductive toxicity: No information available

STOT - Single exposure: No information available

STOT - Repeated exposure: No information available

Aspiration Hazard: No information available

12. Ecological information

Toxicity: no data available

Persistence and degradability: no information available

Bioaccumulative potential: no information available

Endocrine disrupting properties: no information available

Ecotoxicity effects: no data available

Mobility: no information available

Mobility in soil: no data available

Results of PBT and PvB assessment**:** no data available

13. Disposal considerations

Waste treatment methods:

Waste from residues/unused products

Dispose in accordance with European directives on waste and hazardous waste.

Contaminated packaging: Dispose of in accordance with local regulations

14. Transport information

IMDG/IMO

UN/ID no not regulated

Proper shipping name: not regulated

Hazard class: not regulated

Packing group: not regulated

Environmental hazard: Not applicable

Marine pollutant: not regulated

Special provisions: none

Transportation in bulk according to annex II of MARPOL 73/78 and the IBC code: No information available

Proper shipping name: not regulated

Hazard class: not regulated

Packing group: not regulated

Environmental hazard: Not applicable

Special provisions: None

ADR/RID

UN/ID no not regulated

Proper shipping name: not regulated

Hazard class: not regulated

Packing group: not regulated

Environmental hazard: not applicable

Special provisions: None

ICAO/IATA

UN/ID no not regulated

Proper shipping name: not regulated

Hazard class: not regulated

Packing group: not regulated

Environmental hazard: not applicable

Special provisions: None

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substrate or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907 / 2006.

Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

Disclaimer:

The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and it is not be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Notice to purchasers
To be used for research purposes only.

17. Revisions

Revision date: 11-Oct-2025

Revision summary: No revisions, original version

END OF SAFETY DATA SHEET