



MATERIAL SAFETY DATA SHEET CHYMOSIN

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

Identification of the substance or mixture

Trade name: Chymosin

Article no.: N/A

Use of the substance / mixture: Water\ Sodium chloride\ Enzyme protein\ Trehalose

Information in case of emergency

Telephone: +86 (0)21 5433 7075

2. Hazards identification

Classification and labelling according to regulation (EC) No 1272/2008

No need for classification according to GHS criteria for this product.

Further information

EUH208 Contains Enzyme Protein. May produce an allergic reaction.


Classification system

The classification was made according to the latest editions of the EU-lists, and extended by company and literature data.

3. Composition / information on ingredients

Chemical characterization

Description: Mixture

Hazardous ingredients CAS-No. EINECS	Classification according to regulation (EC) No 1272/2008			Content (%)
	Label	Hazard Statement	Classification	
Enzyme Protein 9001-98-3 232-645-0	 Danger	H334	Resp. Sens. 1	< 2.0

Additional information: For the full text of the H-Statements mentioned in this Section, see Section 16

4. First aid measures

Description of first aid measures

After inhalation: Remove to fresh air. If breathing becomes difficult, consult a doctor.

After skin contact: Immediately remove contaminated clothing and wash before reuse.

Immediately wash with a plenty of water and with soap.

After eye contact: Rinse opened eye for several minutes under running water.

After ingestion: Rinse out mouth and drink a glass of water. Do not induce vomiting. If symptoms persist consult a doctor.

Most important symptoms and effects, both acute and delayed: *Not available*

Indication of immediate medical attention and special treatment needed: *Not available*

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing



Agents: *Water\Water spray\Foam\Dry powder\Carbon dioxide*

Unsuitable extinguishing

Agents: *None*

Special hazards arising from the substance or mixture

May cause allergic respiratory reactions. Toxic gases can be released in case of fire.

Advice for fire fighters

Protective equipment: Use self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use suitable protective equipment to avoid eye and skin contamination. Ensure adequate ventilation.

Environmental precautions

Prevent product from getting into drains / groundwater / surface water.

Methods and materials for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).

Dispose of absorbed material in accordance within the regulations.

Ensure sufficient ventilation. Wash contaminated clothing.

Reference to other sections

Indications about waste treatment see section 13.

7. Handling and storage

Precaution for safe handling

Avoid contact with skin and eyes. Wash hands and face thoroughly after working with this material.

Contaminated clothing should be removed and wash before reuse. Avoid formation of aerosols.

Use appropriate containment to avoid environmental hazards.

Advice on protection against

Fire and explosion: *Keep away from sources of ignition, open flames and hot surfaces.*

Conditions for safe storage, including any incompatibilities

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

Keep only in original container.

8. Exposure controls / personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace

Not available

Exposure controls

Engineering measures: *Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels.*

Individual protective measures:

Do not get in eyes. Avoid contact with skin. Avoid inhaled.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection:

Using appropriate certified respirators.

Hand protection:

Gloves

Material of gloves:

Plastic

Eye protection:

Safety goggles

Body protection:

Work clothes

9. Physical and chemical properties

Form: *Liquid*

Colour: *Light yellow-light brown*

Odour: *Bland*

pH Value: *5.4-5.8*

Density (20°C): *1.10-1.15g/cm³*

Miscibility with water: *Any*



10. Stability and reactivity

<u>Reactivity:</u>	<i>Not available</i>
<u>Chemical stability:</u>	<i>Stable under normal conditions</i>
<u>Possibility of hazardous reactions:</u>	<i>Not available</i>
<u>Conditions to avoid:</u>	<i>Heat, flames and sparks.</i>
<u>Incompatible materials:</u>	<i>Avoid contact with oxidation agents</i>
<u>Hazardous decomposition products:</u>	<i>Irritants.</i>

11. Toxicological information

Acute toxicity:	<i>Not available</i>
Primary irritant effect	
<u>Skin irritation (rabbit):</u>	<i>Not available</i>
<u>Eye irritation (rabbit):</u>	<i>Not available</i>
<u>Sensitisation:</u>	<i>Sensitizer</i>
<u>Further information:</u>	<i>Not available</i>

12. Ecological information

Ecological effects:	<i>Not available</i>
Persistence and degradability:	<i>This product is biodegradable.</i>
<u>Additional ecological information:</u>	<i>Not available</i>

13. Disposal consideration

<u>Product:</u>	
<u>Recommendation:</u>	Disposal must be made of according to official regulations (2008/98EEC).
<u>Uncleaness packaging:</u>	
<u>Recommendation:</u>	Disposal must be made of according to official regulations.

14. Transport information

<u>Land transport ADR (cross-border):</u>	<i>Not a hazardous material.</i>
<u>Maritime transport IMDG:</u>	<i>Not a hazardous material.</i>
<u>Air transport ICAO-TI and IATA-DGR:</u>	<i>Not a hazardous material.</i>

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.	
Safety, health and environmental regulations/legislation specific for the substance or mixture	
<u>National regulations:</u>	
Please note: Take care of the respective local regulations.	

16. Other information

Full text of H-Statements referred to under sections 2 and 3

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Resp. Sens.	Respiratory sensitisation

This information refers explicit to the indicated product. In opinion of the PUNATURE FOOD INGREDIENTS CO., LTD, this information is right and reliable at the time of the generation. We do not assume an express or silent warranty concerning to its correctness, reliability or completeness. Everybody who received this information is requested by the PUNATURE FOOD INGREDIENTS CO., LTD to decide about suitability and completeness of this information for his special application.