



CAGLIFICIO CLERICI SPA

SAFETY DATA SHEET GRACO LIQUID RENNET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade name	GRACO liquid rennet
Type of product and use	Bovine chymosin and pepsin in aqueous solution
Supplier SDS	Caglificio Clerici S.p.A. Via Manzoni, 29 - 22071 Cadorago (CO) tel. 031/8859311 - fax 031/904769

2. IDENTIFICATION OF DANGERS

No specific hazard is found in normal use.

No substance contained is dangerous to health pursuant to Directive 67/548 / EEC and Regulation (EC) 1272/2008 relating to the classification, labeling and packaging of substances and preparations.

Properties / symbols: none.

The product is not subject to the drafting of the safety data sheet in compliance with the European REACH Regulation 1907/2006 / CE as it is not dangerous.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Enzymes of animal origin	
Sodium chloride (NaCl)	aprox 20%
Sodium benzoate (E211)	max 1%

4. FIRST AID MEASURES

Skin contact: Wash with plenty of water and soap.

Eye contact: Wash immediately with water.

Ingestion: Immediately rinse mouth with plenty of water, without swallowing.

Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

The product does not present a fire hazard.

Combustion risks: Avoid breathing fumes.

Protective equipment: Use protection for the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Individual precautions Wear gloves.

Environmental precautions If the product, in dangerous quantities, has flowed into a water course, sewer or contaminated soil or vegetation, notify the competent authorities.

Cleaning methods Absorb with porous, inert material. After the collection, wash the affected area and materials with water.

7. HANDLING AND STORAGE

Precautions for handling: Avoid contact with eyes and skin.

Incompatible materials: None in particular.

Storage conditions: Store tightly closed packages at + 4 ° C / + 8 ° C after arrival at destiny.

1324Indication for the premises: Adequately ventilated premises.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits TLV -TWA: Not assigned. Precautionary measures:
Respiratory protection: Not necessary for normal use.

Hand protection: No need for normal use.

During decanting, the use of protective gloves is recommended.

Eye protection: Avoid contact with eyes.

Skin protection: No particular precautions must be taken for use normal.

The use of protective clothing is recommended during decanting.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: From slightly straw to brown

Odor:

Solubility in water: High Solubility in organic solvents Not applicable

Density (kg / l): In relation to the NaCl content in solution, from 1.10 to 1.15

Melting point: Not applicable

Boiling point: Not applicable

10. STABILITY AND REACTIVITY

Conditions to avoid: Stable under normal conditions.

Substances to avoid: None in particular.

11. TOXICOLOGICAL INFORMATION

Routes of penetration:

Ingestion: Yes

Inhalation: Yes

Contact: Yes

Toxicological information related to the preparation: No specific information is available on the preparation as such. When evaluating the toxicity of the preparation, always keep in mind the concentration of the individual components indicated in paragraph 2.

Corrosivity / Irritant power:

Eye: Direct contact may cause slight temporary irritation. Sensitizing power: No effects noted.

Carcinogenesis: No effects noted.

Mutagenesis: No effects noted.

Teratogenesis: No effects noted.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Predictably not relevant. Use according to good working practices, avoiding to disperse the product in the environment.

13. DISPOSAL CONSIDERATIONS

Recover if possible. Operate according to local and national regulations.



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14. TRANSPORT INFORMATION

RID / ADR	Not dangerous goods
Maritime transport	Not dangerous goods
UN number	-
IMO / IMDG	Non-hazardous goods MAR / POL 73/78, Annex III No
Air transport (ICAO / IATA)	Non-dangerous good

15. REGULATORY INFORMATION

The preparation is not to be considered dangerous according to EC Regulation 1272/2008 (CLP)
Hazard symbol: not required.
Risk phrases: not required

Where applicable, refer to the following regulations: Health checks according to Presidential Decree 303/56 items: - Presidential Decree 175/88 (Seveso Directive), Annex II, III and IV

16. OTHER INFORMATION

The information contained therein is based on our knowledge and refers only to the product indicated and does not constitute a guarantee of particular qualities.
The user is required to ensure the suitability and completeness of this information in relation to the specific use it must make of it.



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CONFORMITY CERTIFICATE

PRODUCT

GRACO B

rennet is obtained exclusively from suckling calf

CODE

LOT N.

	Specifies	Analysis
POWER	1/10.000 Soxhlet	110 imcu
CHIMOSINE	80%	81%
PEPSINE	20%	19%
SODIUM BENZOATE (E211)	<0,5%	<0,5%

PHYSICAL AND ORGANOLEPTIC CHARACTERISTICS

Appearance	Liquid	Liquid
Smell	Tipical	Tipical
Colour	Tipical	Yellow-Ambrated

MICROBIOLOGICAL ANALYSIS

Total bacterial count	< 500 ufc / g.	400 ufc/ g.
Yeasts and moulds	< 10 / ml	< 10 / ml
Coliform bacteria	Neg. / ml	Neg. / ml
Spore-forming	Neg. / ml	Neg. / ml
Salmonella	Neg. / ml	Neg. / ml
Staphylococcus aureus	Neg. / ml	Neg. / ml
Lysteria monocytogenes	Neg. / ml	Neg. / ml

WARRANTY

Rennet free from microbial coagulants, swine pepsin and chymosin by recombinant DNA technology. For these reasons, it is suitable for the production of D.O.P cheeses.

This certificate was issued electronically and therefore does not require a signature