

ACID CASEIN

Material Safety Data Sheet



Prepared in accordance with EC Directive 2001/58/EC

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

Product Information

Product Name All Lactic and Mineral Acid Caseins from Fonterra

Natural product. CAS 9000-71-9. EINECS 232-555-1.

Product Use Food and non-food applications

Primary Global Contact (24 hour coverage)

Company Fonterra Co-operative Group Ltd

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Contact Fonterra Customer Service Centre

Telephone +64 9 369 6000

Fax +64 9 369 6299

Secondary Contact (European customers only)

Company Fonterra (Europe) Cooperatie U.A

Address Euro Centre Building 2, 3rd Floor
Barbara Strozzi laan 356-360, 1083 HN Amsterdam, The Netherlands

Contact QA department/Technical department

Telephone +31 – (0)20 70 75 300

Fax +31 – (0)20 70 75 398

2. Composition/information on Ingredients

Typical Composition

Protein (as is) 89.0%

Moisture 9.6%

Milk Fat 1.1%

Carbohydrate 0.13%

Ash 1.9%

3. Hazards Identification

Non-hazardous products as specified in Directive 67/548/EEC

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Ingredients by 
Dairy for life

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Material Safety Data Sheet



4. First Aid Measures

Product in eye	Low Risk	Rinse gently with flowing clean water for a minimum of 5 minutes. If eye irritation occurs, seek medical attention.
Product on skin	Very Low Risk	Wipe away excess, wash skin with clean water.
Product inhaled	Low Risk	Keep inhalation to a minimum. If large quantities are involved, remove to fresh air. If breathing problems occur, seek medical attention.
Product swallowed	No Risk	

5. Fire-Fighting Measures

Suitable extinguishing media	No restriction
Special risks	Any fine powdered material is susceptible to fire risk. Keep away from all direct sources of combustion.

6. Accidental Release Measures

If spillage occurs, take up dry and wash area with water. Disposal of large quantities should be according to Federal, State and Local Authority Regulations.

7. Handling and Storage

Handling:	Avoid moisture, keep packaging intact
Storage:	Store and transport under ambient conditions. Ensure no direct contact with moisture prior to use, and avoid highly humid environments. Ensure product is never stored nor transported in containers or environments with hazardous, chemically dangerous or poisonous goods.

8. Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection	Dust mask recommended
Eye protection	Safety glasses recommended
Hand protection	Protective gloves recommended
Industrial hygiene	Wash hands after handling substance

9. Physical and Chemical Properties

pH	4.6
Colour	Cream
Odour	Bland/Typical
Form	Powder
Ignition temperature	460°C

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Explosion limits	Lower	45g/m ³ (in air)
	Upper	not known

Bulk Density	0.6g/ml
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Solubility in water (20°C)	Insoluble
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10. Stability and Reactivity

Conditions to be avoided	None known
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Substances to be avoided	None known
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Hazardous decomposition products	None known, but as a precaution, breathing apparatus should be worn
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11. Toxicological Information

No toxic effects when the product is handled appropriately

12. Ecological Information

No ecological problems are to be expected when the product is handled with due care and attention.

13. Disposal Considerations

Product	Disposal in accordance with country, state and local authority regulations.
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Packaging	Disposal should be in compliance with official regulations. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled
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14. Transport Information

Not subject to any transport regulations.

15. Regulatory Information

Hazard Labelling according to EC Directives

Acid Caseins do not need to be labelled in accordance with EEC directive 67/548.

National regulations

German	Water pollution class	Non-water polluting
Swiss	Toxic class	F

16. Other Information

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed.

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