



Dairy for life

Acid Casein

Material Safety Data Sheet

MSDS.002

Version 1.0511

UNRESTRICTED

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
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Product Use	Food and non-food applications
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Primary Global Contact (24 hour coverage)

Company	Fonterra Co-operative Group Ltd
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Address	9 Princes Street, Private Bag 92 032, Auckland, New Zealand
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Contact	Fonterra Customer Service Centre
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Telephone	+64 9 369 6000
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Fax	+64 9 369 6299
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Secondary Contact (European customers only)

Company	Fonterra (Europe) Cooperatie U.A
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Address	Euro Centre Building 2, 3rd Floor Barbara Strozilaan 356-360, 1083 HN Amsterdam, The Netherlands
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Contact	QA department/Technical department
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Telephone	+31 – (0)20 70 75 300
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Fax	+31 – (0)20 70 75 398
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2. Composition/information on Ingredients

Typical Composition

Protein (as is)	89.0%
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Lactose	0.1%
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Ash	1.9%
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Moisture	9.6%
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Milkfat	1.1%
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3. Hazards Identification

Non-hazardous product as specified in Directive 67/548/EEC.



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4. First Aid Measures

Product in eye	Low risk	Wash with gently flowing clean cool water for a minimum of 5 minutes. In the case of eye irritation, seek medical advice.
Product on skin	Very low risk	Wipe off excess, wash with clean cool water.
Product inhaled	Low risk	Keep inhalation to a minimum. If large quantities are involved, remove to fresh air. If there are breathing problems, seek medical advice.
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. Large quantities should be disposed of according to Federal, State and Local Authority Regulations.

7. Handling and Storage

Handling:	Avoid moisture, keep packaging intact.
Storage:	Storage 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



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9. Physical and Chemical Properties

pH	4.6
Colour	Cream
Odour	Bland/typical
Form	Powder
Ignition temperature	460°C
Explosion limits	lower 45g/m ³ (in air) upper not known
Bulk Density	0.6 g/ml
Solubility in water (20°C)	Insoluble

10. Stability and Reactivity

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

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 and used with due care and attention.

13. Disposal Considerations

Product	Disposal in accordance with country, state and local authority regulations.
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.

14. Transport Information

Not subject to any transport regulations.



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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.