



Materials Safety Data Sheet
RENCO Rennet Powder
(non Hazardous)

1. IDENTIFICATION of the Product and Company

Product Name : Renco Natural Calf Rennet Powder, Renco Rennet Powder
Recommended Use : Hydrolysis of polypeptides (casein proteins)
Trade Name : RENCO
Manufacturer : Renco New Zealand, 10 London Street, PO Box 122,
Eltham, NEW ZEALAND
Telephone : +64 6 764 8008
Facsimile : +64 6 764 7509
Contact Point : Melvyn Smith, Renco New Zealand
Phone: +64 6 764 7880
Mobile: +64 21 382 157

2. HAZARDS IDENTIFICATION

No specific risk is known when the product is correctly used.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Appearance/Odour : Powder, cream in colour. Slight but not unpleasant odour.
Solubility limits : Soluble in water
pH: : Not Applicable

Ingredients	CAS No.	proportion
Sodium chloride	7647-14-5	< 98%
Gelatine	9000-70-8	< 2%
RENNET ENZYMES		
→ Chymosin	9001-98-3	< 1%
→ Pepsin	9001-75-6	< 1%

4. FIRST AID MEASURES

Swallowed : Vomiting may occur. Provided patient is conscious give plenty of liquid to drink. Obtain immediate medical attention especially if vomiting has not occurred.

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Eye	:	Flush with copious cold water. If symptoms develop obtain medical help.
Skin	:	Wash with plenty of water.
Inhaled	:	Remove patient to fresh air. Keep warm and at rest. Give drinks if desired.
First Aid Facilities	:	Water to be available as an aid in first aid.

Notes for Medical Personnel

Swallowed	:	Give water to drink. Do not induce vomiting.
Eye	:	Irrigate with copious quantities of slow flowing water for up to 15 minutes. Eye lids to be held open.
Skin	:	Brush off clothing and wash skin thoroughly with plenty of water.
Inhaled	:	Not normally a risk, but some may experience discomfort if working with a dusty product. If exposure has occurred allow the victim to drink water.

5. FIRE FIGHTING MEASURES

Flammability	:	Non-flammable
Extinguishing Media	:	Use agents suitable for surrounding fire [dry chemical, CO ₂ , water spray or foam.
Hazards of Combustion	:	Avoid inhaling the combustion gases. The salt portion of the powder will withstand temperatures up to its melting point and beyond without decomposing, but at very high temperatures [>800°C] a vapour may be emitted which is particularly irritating to eyes.
Special protective equipment	:	as applicable to the combustion products associated with fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	:	Disposable gloves
Environmental Precautions	:	Inform the public authorities if the product has flowed down to a river [if the amount can be considered a dangerous amount], flowed in to the sewage system or it has polluted the ground or vegetation.

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Methods of cleanup : Retrieve the product if possible for safe disposal.
Flush the area and equipment well with copious quantities of water.

7. HANDLING AND STORAGE

Handling : Avoid contact with eyes, skin contact and dust inhalation.
Eating, drinking and smoking in work areas is prohibited.
Wash hands after use.
Remove protective equipment and contaminated clothing before entering eating areas.

Materials to avoid : none known.

Storage conditions : Store in a cool dry place, at or below 8°C.
Keep container closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

TLV – TWA exposure limit : not assigned.

Personal Protection : Respiratory- recommended to use a dust mask when pouring.
Hands- wearing of gloves is recommended.
Eyes- wearing of safety glasses is also recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Powder

Colour : Cream to off white

Odour : Slight but not unpleasant odour

Solubility : In water

Density : Not applicable

Melting Point : Not applicable

Boiling Point : Not applicable

Flammability Point : Non-flammable

Flash Point : Non-flammable

Explosive properties : Non-flammable

Oxidising properties : Non-flammable

Vapour pressure : Not known

Viscosity : Not applicable

Vapour density : Not applicable

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10. STABILITY AND REACTIVITY

Chemical Stability	:	Stable
Conditions to avoid	:	will react with strong sulphuric acid or nitric acid to give hydrogen chloride gas.
Material to avoid	:	Under wet conditions can corrode many common metals, particularly iron, aluminium and zinc. Stainless and monel resist attack.
Hazardous decomposition products	:	Trace amounts of hydrogen chloride gas may be evolved at temperatures in excess of 800°C. Does not react with alkalis at ordinary temperatures.

11. TOXICOLOGICAL INFORMATION

Eyes	:	Dust may be irritating.
Skin	:	Irritation after prolonged contact
Ingestion	:	The salt component is an essential constituent of the diet. The blood stream contains nearly 1% sodium chloride, The LD 50 for rat's is 3000mg / kg oral.
Inhalation	:	Dusts may be irritating
Carcinogenicity	:	Not considered a carcinogen.
Mutagenicity	:	Not considered to be a mutagen.
Reproductive Effects	:	Non identified.

12. ECOLOGICAL INFORMATION

Ecotoxic effect	:	Not important Enforce GMP , product is completely biodegradable and non toxic to the environment.
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13. DISPOSAL CONSIDERATION

Spills	:	Recover the product when possible. Wash the spill area down with water if necessary.
Disposal	:	Refer to the local council bylaws and Land Waste

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Management Authority. Dissolved material in excess water is normally suitable for disposal in the storm water system.

14. TRANSPORT INFORMATION

Material is not included in the requirements for "Transport of Dangerous Goods on Land".

EEC Classification : Under the Chemicals [Hazard Information and Packaging for Supply] regulations 2002, this material is not dangerous for supply or conveyance.

15. REGULATORY INFORMATION

: The product is considered non-hazardous in accordance with the EC Directive 1272/2008 and next adjustments.

National Regulation : Legal substance in New Zealand

16. OTHER INFORMATION

The information is based on our current level of knowledge and it is related to the product in the state in which it is delivered. It should not be therefore construed and guaranteeing specific properties of the product described or its suitability for a particular application.

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