



Materials Safety Data Sheet

RENCO Pre Gastric Esterase(PGE) Liquid

(Non-Hazardous)

COMPANY DETAILS

Manufacturer: Renco New Zealand, 10 London Street, PO Box 122, Eltham 4322, NEW ZEALAND

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Trade Name: RENCO

IDENTIFICATION

Product Name	:	Kid goat ,Lamb, Calf Pre Gastric Esterase (PGE) Liquid
Other Names	:	Lipase
Manufacturers Product Code	:	Not applicable
UN Number	:	Not applicable
Dangerous Goods Class	:	Not applicable
Hazchem Code	:	Not applicable
Toxic Substances Schedule	:	Not applicable
Use	:	Lipolysis of fats

Description/properties

Appearance	:	Liquid, red in colour. Slight but not unpleasant odour.
Boiling Point/Melting Point	:	Not applicable
Vapour Pressure	:	Not applicable
Specific Gravity	:	1.118 kg/L
Flash point (°C)	:	no flammable components
Flammability limits	:	not flammable
Solubility limits	:	fully miscible with water

Other Properties

pH:	:	6.2 – 6.8 (very mildly acidic)
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Ingredients	CAS No.	proportion
water	7732-18-5	40%
glycerol	56-81-5	50%
sodium chloride	7647-14-5	14%
pregastric esterase enzymes (lipase)	9001-62-1	<5%
potassium sorbate	24634-61-5	0.1%

HEALTH HAZARD INFORMATION

Health effects

Acute	Swallowed	:	Not toxic but may cause mild gastrointestinal effects.
	Eyes	:	Irritating to the eyes.
	Skin	:	Mild irritant.
	Inhaled	:	Inhalation of the aerosols may produce respiratory irritation.
Chronic		:	Repeated and prolonged exposure may cause mild sensitisation and mild allergic reactions to the skin.

First Aid

	Swallowed	:	Rinse mouth and throat with cold water and give water to drink. Seek medical advice.
	Eye	:	Flush with copious cold water. Seek medical advice.
	Skin	:	Wash affected area with soap and water. Remove and wash contaminated clothing.
	Inhaled	:	Seek medical advice.
First Aid Facilities		:	Water to be available as an aid in first aid if required.

Advice to Doctor : Non-toxic but may be mildly irritant by nature.

PRECAUTIONS FOR USE

Exposure standards	:	Not applicable
Engineering controls	:	Pumping and pouring should be carried out in such a manner as to avoid the formation of aerosols.
Personal Protection	:	The wearing of gloves and safety glasses is recommended when using this product.

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Flammability : Not flammable.

SAFE HANDLING INFORMATION

Storage and Transport : No special transport requirements are necessary. Store in a cool place, at or below 8°C.

Keep container closed when not in use.

Spills and Disposal : Flush away to trade waste of effluent system with copious quantities of water.

Fire and Explosion hazard : None.

OTHER INFORMATION : Product is completely biodegradable and non toxic to the environment.

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