

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH SDS)

1. IDENTIFICATION OF THE SUBSTANCE

Product names:	Lacprodan®	Whey protein concentrates/isolates/hydrolysates, casein hydrolysates
	Ultralac®	Whey protein concentrates
	Perlac®	Whey protein concentrate and permeate products
	Multilac®	Functional proteins, whey protein concentrates
	Nutrilac®	Functional milk proteins, whey protein concentrates
	Premium Lactose	Lactose products
	Lactose	Lactose products
	Variolac®	Lactose/permeate products
	Peptigen®	Hydrolysates
	Lactry-2	Whey protein hydrolysate

2. HAZARDS IDENTIFICATION

Extinguishing media:	If involved in fire, water or CO ₂ may be used
Special fire fighting procedures:	None
Unusual fire and explosion hazards:	None reported

3. COMPOSITION/INFORMATION ON INGREDIENTS

White to yellow powder with milky odour.

4. FIRST AID MEASURES

Health hazards:	Generally recognized as safe
Emergency:	Non-toxic, flush eye with water in case of excessive eye contact

5. FIREFIGHTING MEASURES

Stable substances not subject to hazardous polymerization.

6. ACCIDENTAL RELEASE MEASURES

No hazard results from spillage.

Waste disposal: Sweep up and place in suitable clean, dry containers for reclamations or later disposal

7. HANDLING AND STORAGE

To be kept in closed containers in a cool and dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:	None or approved nuisance mask
Ventilation:	Dust-exhaust system
Protective gloves:	Recommended
Eye protection:	Not necessary
Other protection:	None

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH SDS)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to yellow powder
Odour:	Milky
pH:	2.5 – 11 (10% solution)
Solubility:	Soluble in water
Explosion ability ¹⁾ :	
Median Value:	60 – 80 micron
Kst Value:	100 – 130 bar m/s
Minimum ignition energy:	> 100 mJ
Maximum explosion pressure:	7 – 9 bar
Ignition temperature:	Approx. 500 degrees Celcius
Glowing temperature:	340 – 450 degrees Celcius
Lower explosion limit:	> 60 g / m ³

1) Explosion ability is based on data from regular skimmed milk powder.

10. STABILITY AND REACTIVITY

The products are stable under the influence of temperature, light, pressure and shocks. Stable substances not subject to hazardous polymerization.

11. TOXICOLOGICAL INFORMATION

The products are not toxic and have no known prolonged toxic effects.

12. ECOLOGICAL INFORMATION

The degradation of the products happens bacteriologically. Large quantity released in the sewerage system can influence the water purifying plant.

13. DISPOSAL CONSIDERATIONS

Spillage and other forms of contaminated products must be delivered to a controlled place of discharge.

14. TRANSPORT INFORMATION

No special disposition.

15. REGULATORY INFORMATION

None.

16. OTHER INFORMATION

Used in foodstuffs.

Perlac® is used for feed.

We hereby declare that our raw material is not characterized as hazard substances and therefore does not refer to the regulation (EC) NO. 1272/2008.