

MATERIAL SAFETY DATA SHEET

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

IDENTITY: LAYERMUNE SE, Salmonella Enteritidis Bacterin

Section I

Distributor's Name Biomune Company	Emergency Telephone Number (913) 894-0230
Address 8906 Rosehill Road Lenexa, Kansas 66215	Telephone Number for Information (913) 894-0230
	Date Prepared July 11, 2008

Section II – Hazardous/Non-Hazardous Ingredients/Identity Information

Inactivated bacterial fractions in water, mineral oil and emulsifiers. This bacterin is recommended for use in healthy chickens at least 12 weeks of age as an aid in the reduction of *Salmonella enteritidis* colonization of the internal organs, including reproductive tract, and the intestine.

Section III – Physical/Chemical Characteristics

Boiling Point N/A	Specific Gravity N/A	Vapor Pressure N/A	Melting Point N/A	Vapor Density N/A	Evaporation Rate N/A
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Solubility in Water

Very Soluble

N/A

Gray to off white color liquid. No perceptible odor.

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL	VEL
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Extinguishing Media

N/A

Special Fire Fighting Procedures and Hazards

None

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	XX	

Incompatibility (Materials to Avoid)

None

Hazardous Decomposition or Byproducts

None

Hazardous Polymerization	May Occur		Conditions to Avoid
	May Not Occur	XX	

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Section VI – Health Hazard Data

Route(s) of Entry

Accidental injection or oral ingestion.

Health Hazards

Potential health hazard if accidentally injected into a human.

Carcinogenicity

N/A

Signs and Symptoms of Exposure

N/A

Medical Conditions Generally Aggravated by Exposure

None

Emergency and First Aid Procedures

Wash and disinfect area of contact. See attached accidental injection injuries sheet.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Contain spill. Absorb with inert material such as sand, clay etc. Wash area with soap and water.

Waste Disposal Method

Incinerate unused vaccine and vials.

Precautions to Be Taken in Handling and Storing

Store at 2-7°C (35-45°F).

Other Precautions

Follow good vaccination procedures.

Section VIII – Control Measures

Respiratory Protection

Ventilation	Local Exhaust N/A	Special
	Mechanical (General) N/A	Other
Protective Gloves Recommended	Eye Protection Recommended	Other Protection Clothing or Equipment Optional

Work Hygienic Practices

Use aseptic technique.