



MATERIAL SAFETY DATA SHEET INACTIVATED (KILLED) PRODUCT

Revised: **August 11, 2009**

I. General Information

Chemical Name & Symptoms: N/A	Product Type: Inactivated Product
Chemical Family: N/A	Formula: N/A
Proper DOT Shipping Names: Vaccine; Plate Antigen (List No.: 1103)	DOT Hazard Classification: None
Manufacturer: Lohmann Animal Health Int'l	Manufacturers Telephone: 800-639-1581
Address: 375 China Road Winslow, Maine 04901 U.S.A.	Chemtrec Telephone: Not applicable

II. Ingredients

Principle Components	Percent	Threshold Limit Value
Mineral Oil or Aluminum Hydroxide (List No. 1195)	≤70%	No limit
Emulsifiers	≤12%	No limit
Antigen Material	≤20%	No limit
Buffered Saline	≤20%	No limit
Formalin (for inactivation)	≤0.8%	No limit
Thimerosal (for inactivation in List Numbers Marked with an asterisk {*})	≤0.01%	No limit
Dye (List No. 1103 Only)	≤3%	No limit

Threshold Limit Value: **No Limit.**
ACGIH Threshold Limit Value: **Not applicable.**
OSHA Threshold Limit Value: **Not applicable.**

III. Physical Data

Boiling Point: Above 212°F, 100°C	Specific Gravity (H ₂ O = 1): Approximately 0.88 to 0.96
Vapor Pressure (mm Hg): <1	Percent Volatile by Volume (%): Negligible
Solubility in Water: Negligible	Evaporation Rate (___ = 1): No data.
Appearance and Odor: Opaque Liquid (List No 1195, some 9801, 9802), Colored Liquid (List No 1103) or White oily liquid. No Odor.	pH: 6.6 - 7.0

IV. Fire & Explosion Hazard Data

Flash Point (Test Method): Above 300°F (COC)
Flammable Limits: No data.
Extinguishing Media: Dry chemical, foam, carbon dioxide, Halon 1211.
Special Fire Fighting Procedures: Self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Dense smoke may be generated while burning. Carbon Monoxide, Carbon Dioxide, and other Oxides may be generated as products of combustion.





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V. Health Hazard Data

Threshold Limit Value: **No limit.**

OSHA Threshold Limit Value: **Not applicable.**

ACGIH Threshold Limit Value: **Not applicable.**

Carcinogen – NTP Program: **No**

Carcinogen – IARC Program: **No**

Symptoms of Exposure: **This product is non-irritating to eyes or skin. Ingestion is relatively non-toxic. This product has laxative properties and may result in abdominal cramps and diarrhea.**

Emergency First Aid: Eyes: **Flush with water for 15 minutes.**

Skin: **Wash with soap and water.**

Ingestion: **Drink one or two glasses of water. May have laxative effect. Seek medical attention**

Self injection: **If you have injected yourself with Lohmann Animal Health Vaccine, please seek immediate medical attention. Instruct your doctor to visit www.lahinternational.com and download the self-injection treatment instructions. You may also choose to contact one of our technical service veterinarians. Contact info is listed on the last page of this MSDS sheet.**

VI. Reactivity Data

Stability: **Stable**

Conditions to Avoid: **Not applicable**

Incompatibility: **None known.**

Materials to Avoid: **Oxidizing Agents**

Hazard Polymerization: **Will not occur.**

Combustion Products: **Carbon Monoxide, Carbon Dioxide**

VII. Environmental Protection Procedures

Spill Response: **Absorb and dispose of material.**

Waste Disposal Method: **Discard in accordance with Local, State and Federal Regulations.**

VIII. Special Protection Information

Eye Protection: **Not required for normal use.**

Respiratory Protection (Specific Type): **Not required for normal use.**

Skin Protection: **Not required for normal use.**

Ventilation Recommended: **Not required for normal use.**

Other Protection: **Not required for normal use.**

IX. Special Precautions

The information herein is given in good faith but no warranty expressed or implied is made.



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**Killed Products covered by this MSDS:
(* Next to List No. Indicates product contains Thimerosal)**

LAHI List No.	USDA Code	True Product Name
1103 (Charles River Catalog No. 551601)	5207.00	Pullorum Antigen, Stained Antigen Polyvalent
1195*	2658.00	Haemophilus Paragallinarum Bacterin
1200 Serials 93598 and older contain Thimerosal	2703.15	Pasteurella Multocida Bacterin, Avian Isolates, Types 1, 3, 4 and 3X4
1821 Serials 45678 and older contain Thimerosal	12M5.00	Bursal Disease - Newcastle - Bronchitis - Reovirus Vaccine, Standard and Variant, Mass. Type, Killed Virus
1825 Serials 66098 and older contain Thimerosal	2774.00	Mycoplasma Gallisepticum Bacterin
1831 Serials 81051 and older contain Thimerosal	48B5.10	Newcastle - Bronchitis Vaccine, Mass. Type, Killed Virus, Mycoplasma Gallisepticum Bacterin
2813, 2820	17P5.10	Newcastle - Paramyxovirus Vaccine, Type 3, Killed Virus
2816	1785.10	Newcastle - Bronchitis Vaccine, Mass. and Ark. Types, Killed Virus
2817	12D5.03	Bursal Disease - Reovirus Vaccine, Standard and Variant, Killed Virus
2826	1785.11	Newcastle - Bronchitis Vaccine, Mass. Type, Killed Virus
2912	12G5.43	Bursal Disease - Newcastle Disease Vaccine, Killed Virus
3916	12D5.45	Bursal Disease - Newcastle Disease - Bronchitis Vaccine, Standard and Variant, Mass. and Ark. Types, Killed Virus
4901	12M5.41	Bursal Disease - Newcastle Disease - Bronchitis - Reovirus Vaccine, Standard and Variant, Mass. and Ark. Types, Killed Virus
4902	12M5.01	Bursal Disease - Newcastle Disease - Bronchitis - Reovirus Vaccine, Standard and Variant, Mass. Type, Killed Virus
4904	12M5.43	Bursal Disease - Newcastle Disease - Bronchitis - Reovirus Vaccine, Mass. Type, Killed Virus
4905	12J5.43	Bursal Disease - Newcastle - Bronchitis Vaccine, Mass. Type, Killed Virus
7800	12D5.04	Bursal Disease - Reovirus Vaccine, Standard and Variant, Killed Virus
7801	1705.11	Newcastle Disease Vaccine, Killed Virus
7801C	1705.15	Newcastle Disease Vaccine, Killed Virus
7805	1045.02	Avian Reovirus Vaccine, Killed Virus

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LAHI List No.	USDA Code	True Product Name
7807-C	10C5.11	Avian Paramyxovirus Vaccine, Type 1, Killed Virus
7821	2685.12	Haemophilus Paragallinarum Bacterin
7830	12M5.91	Bursal Disease-Newcastle Disease-Bronchitis-Reovirus Vaccine, Mass. Type, Killed Virus
7832	12M5.42	Bursal Disease - Newcastle Disease - Bronchitis - Reovirus Vaccine, Standard and Variant, Mass. and Ark. Types, Killed Virus
7837	1235.10	Bronchitis Vaccine, Mass. Type, Killed Virus
7901, 7911	1057.H1	Avian Influenza Vaccine, H1N1 Subtype, Killed Virus
7902	1057.H2	Avian Influenza Vaccine, H2N2 Subtype, Killed Virus
7903	1057.H3	Avian Influenza Vaccine, H3N4 Subtype, Killed Virus
7904	1057.H4	Avian Influenza Vaccine, H4N6 Subtype, Killed Virus
7905	1057.H5	Avian Influenza Vaccine, H5N2 Subtype, Killed Virus
7906	1057.H6	Avian Influenza Vaccine, H6N8 Subtype, Killed Virus
7907	1057.H7	Avian Influenza Vaccine, H7-N3 Subtype, Killed Virus
7909	1057.H9	Avian Influenza Vaccine, H9N2 Subtype, Killed Virus
7910	1057.H0	Avian Influenza Vaccine, H10N9 Subtype, Killed Virus
8803	2702.15	Pasteurella Multocida Bacterin, Avian Isolates Types 1, 3, and 4
8806	2785.00	Salmonella Enteritidis Bacterin
8809-H	2785.00	Salmonella Enteritidis Bacterin Concentrate
8810	48D7.10	Newcastle Disease - Bronchitis Vaccine, Mass. and Ark. Types, Killed Virus - Salmonella Enteritidis Bacterin
8811	48D7.11	Newcastle Disease - Bronchitis Vaccine, Mass. and Ark. Types, Killed Virus - Salmonella Enteritidis Bacterin
8815	2703.17	Pasteurella Multocida Bacterin, Avian Isolates Types 1, 3, 4, and 3x4
8816	2703.19	Pasteurella Multocida Bacterin, Avian Isolates Types 1, 4, and 3x4
9801	251.04	Autogenous Bacterin
9802	1015.02	Autogenous Vaccine, Killed Virus
9803	4500.00	Autogenous Vaccine, Killed Virus, Autogenous Bacterin
9815	1015.02	Autogenous Vaccine, Killed Virus

Emergency Phone Numbers:

Dr. Alvarado: 1- 706 -552 1509

Dr. McRee: 1- 919 -380 1155

Dr. Salem: 1- 410 -726 6143