



# MATERIAL SAFETY DATA SHEET INACTIVATED (KILLED) PRODUCT

Revised: **August 4, 2008**

*AI Autogenous H1/H3*

*013755*

## I. General Information

Chemical Name & Symptoms: **N/A**

Product Type: **Inactivated Vaccine**

Chemical Family: **N/A**

Formula: **N/A**

Proper DOT Shipping Names: **Vaccine**

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	≤50%	No limit
Emulsifiers	≤6%	No limit
Antigen Material	≤40%	No limit
Formalin (for inactivation)	≤0.2%	No limit
Formalin (for inactivation)	≤1.2%(List No. 1103 Only)	No limit
Thimerosal (for inactivation in List Numbers Marked with an asterisk {*})	≤0.01%	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<sub>2</sub>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: **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.**

## 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 Vaccines covered by this MSDS:  
(\* Next to List No. Indicates product contains Thimerosal)**

LAHI List No.	True Product Name
1103 (Charles River Catalog No. 551601)	Antigen: Pullorum-Stained Antigen
1195*	Haemophilus Paragallinarum Bacterin
1200 Serials 93598 and older contain Thimerosal	Pasteurella Multocida Bacterin, Avian Isolates Types 1, 3, 4, and 3x4
1821 Serials 45678 and older contain Thimerosal	Bursal Disease - Newcastle - Bronchitis - Reovirus Vaccine, Standard and Variant, Mass. Type, Killed Virus
1825 Serials 66098 and older contain Thimerosal	Mycoplasma Gallisepticum Bacterin
1831 Serials 81051 and older contain Thimerosal	Newcastle - Bronchitis Vaccine, KV, Mycoplasma Gallisepticum Bacterin
2813	Newcastle - Paramyxovirus Vaccine, Type 3, Killed Virus
2816	Newcastle - Bronchitis Vaccine, Mass. and Ark. Types, Killed Virus
2817	Bursal Disease - Reovirus Vaccine, Standard and Variant, Killed Virus
2820	Newcastle - Paramyxovirus Vaccine, Type 3, Killed Virus
2826	Newcastle - Bronchitis Vaccine, Mass. Type, Killed Virus
2912	Bursal Disease - Newcastle Disease Vaccine, Killed Virus
3916	Bursal Disease - Newcastle Disease-Bronchitis Vaccine, Standard and Variant, Mass. and Ark. Types, Killed Virus
4901	Bursal Disease - Newcastle Disease - Bronchitis - Reovirus Vaccine, Standard and Variant, Mass. and Ark. Types, Killed Virus
4902	Bursal Disease - Newcastle Disease - Bronchitis - Reovirus Vaccine, Standard and Variant, Mass. Type, Killed Virus
4904	Bursal Disease-Newcastle Disease-Bronchitis-Reovirus Vaccine, Mass. Type, Killed Virus
4905	Bursal Disease-Newcastle-Bronchitis Vaccine, Mass. Type, Killed Virus
7800	Bursal Disease - Reovirus Vaccine, Standard and Variant, Killed Virus
7801	Newcastle Disease Vaccine, Killed Virus
7801-J	Newcastle Disease Vaccine, Killed Virus
7805	Avian Reovirus Vaccine, Killed Virus
7807-C	Avian Paramyxovirus Vaccine, Type 1, Killed Virus
7821	Haemophilus Paragallinarum Bacterin
7832	Bursal Disease - Newcastle Disease - Bronchitis - Reovirus Vaccine, Standard and Variant, Mass. and Ark. Types, Killed Virus
7837	Bronchitis Vaccine, Mass. Type, Killed Virus
7901	Avian Influenza Vaccine, H1N1 Subtype, Killed Virus
7902	Avian Influenza Vaccine, H2N2 Subtype, Killed Virus
7903	Avian Influenza Vaccine, H3-N4 Subtype, Killed Virus
7904	Avian Influenza Vaccine, H4N6 Subtype, Killed Virus
7905	Avian Influenza Vaccine, H5-N2 Subtype, Killed Virus



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## Killed Vaccines covered by this MSDS:

LAHI List No.	True Product Name
7906	Avian Influenza Vaccine, H6N8 Subtype, Killed Virus
7907	Avian Influenza Vaccine, H7-N3 Subtype, Killed Virus
7909	Avian Influenza Vaccine, H9N2 Subtype, Killed Virus
7910	Avian Influenza Vaccine, H10N9 Subtype, Killed Virus
7911	Avian Influenza Vaccine, H1-N1 Subtype, Killed Virus
8803	Pasteurella Multocida Bacterin, Avian Isolates Types 1, 3, and 4
8806	Salmonella Enteritidis Bacterin
8809-H	Salmonella Enteritidis Bacterin Concentrate
8810	Newcastle Disease - Bronchitis Vaccine, Mass. and Ark. Types, Killed Virus - Salmonella Enteritidis Bacterin
8811	Newcastle Disease - Bronchitis Vaccine, Mass. and Ark. Types, Killed Virus - Salmonella Enteritidis Bacterin
8815	Pasteurella Multocida Bacterin, Avian Isolates Types 1, 3, 4, and 3x4
8816	Pasteurella Multocida Bacterin, Avian Isolates Types 1, 4, and 3x4
9801	Autogenous Bacterin
9802	Autogenous Vaccine, Killed Virus
9803	Autogenous Vaccine, Killed Virus, Autogenous Bacterin
9815	Autogenous Vaccine, Killed Virus