

MATERIAL SAFETY DATA SHEET

LIVE VIRAL VACCINES

1. General Information

Product Type: Live viral vaccine
Chemical Name: Not applicable (N/A)
Chemical Family: N/A
Formula: N/A
DOT Shipping Name: Vaccine
DOT Hazard Classification: None
Manufacturer: Hygieia Biological Laboratories
Address: P.O. Box 8300, Woodland, CA 95776
Manufacturer's Telephone: 530-661-1442
Chemtrec Telephone: N/A

2. Ingredients

Components	Percent	Threshold Limit Value
Antigen	≤ 1	No limit
Buffered saline	≤ 50	No limit
Stabilizer	≤ 50	No limit
Preservatives (antibiotics)	≤ 50	No limit

All ingredients are classified as not hazardous.

ACGIH Threshold Limit Value: N/A

OSHA Threshold Limit Value: N/A

3. Physical Data

Boiling Point: N/A Specific Gravity: N/A Vapor Pressure: N/A
% Volatile by Volume: 0 Solubility in Water: Soluble Evaporation Rate: N/A
pH : ~ 7.0
Physical Appearance: Lyophilized (freeze dried) cake, off white or colored, No odor.

4. Fire and Explosion Hazard Data

Flash Point: N/A Flammable Limits: N/A
Unusual Fire & Explosion Hazards: None Special Fire Fighting Procedure: None
Extinguishing Media: The vaccine itself is neither flammable nor explosive. In case of fire, use media appropriate for surrounding fire.

5. Health Hazard Data

Carcinogen – NTP Program: No Carcinogen – IARC Program: No
Signs of Exposure: This product is non-irritating to eyes or skin.
Emergency First Aid: Eyes: Flush the eyes with plenty of water for about 15 min.

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Skin: Wash with soap and water
Ingestion: Drink of plenty of water and seek medical attention.
Self Injection: In case of accidental injection with this vaccine, please seek immediate medical attention and contact Hygieia Biological Laboratories at the phone numbers listed on this MSDS.

6. Reactivity Data

Stability: Stable Incompatibility: Not known Hazard Polymerization: None
Conditions to Avoid: N/A Materials to Avoid: N/A Combustion Products: N/A

7. Environmental Protection Procedures

Spill Response: Clean thoroughly and disinfect the area
Waste Disposal Method: Since this is a live virus vaccine, it should be considered as a biohazard. Incinerate, autoclave or disinfect prior to disposal.

8. Special Protection Information

Eye Protection: N/A
Respiratory Protection: N/A
Skin protection: Latex gloves, Wash hands thoroughly after use.
Ventilation Requirement: N/A
Other Protection: None for normal use

9. Special Information

The information in this MSDS is provided on good faith. No warranty is expressed or implied.

Following Products are covered by this MSDS:

<i>USDA Product Code</i>	<i>True Name of the Product</i>
10M2.10	Avian Encephalomyelitis - Fowl Pox – Pigeon Pox Vaccine, Live Virus
10M1.10	Avian Encephalomyelitis - Fowl Pox Vaccine, Live Virus
1051.10	Avian Encephalomyelitis Vaccine, Live Virus
1621.10	Fowl Pox Vaccine, Live Virus
1881.10	Pigeon Pox Vaccine, Live Virus

Emergency Phone Numbers:

Dr. Dale Wallis or Mr. Jim Wallis: 530 – 661 – 1442

Dr. Girish Sarma: 530 – 668 – 1841

Mr. Gary Spina: 209 – 605 - 3662