SAFETY DATA SHEETS

This SDS packet was issued with item: 078769422

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078769430 078851260 078883168 078883176 078918167

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078769463 078769471



MATERIAL SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION

Product Name: West Nile Virus Vaccine, Killed Virus Product No.: 1995.22 MSDS ID#: Not available GHS Product Identifier: Not applicable

Molecular Formula: Mixture, not applicable Molecular Weight: Not applicable CAS Number: Mixture, not applicable Chemical Family: Veterinary Vaccine

Manufacturer:

1

Boehringer Ingelheim Vetmedica, Inc. 2621 North Belt Hwy St. Joseph, MO 64506-2002 **Transportation Emergency:** For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

Medical Emergency (24HR): (866) 638-2226 **Non-Emergency Telephone:** (800) 821-7467

Intended Use: Vaccine for perenteral use in horses.

2 HAZARDS IDENTIFICATION

US GHS Classification

This preparation is not classified as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

US GHS Label Elements

Signal Word: None required. Symbol(s): None required.

Hazard Statements: None required.

Precautionary Statement(s):

General:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children. Read label before use.

3

OSHA Regulatory Status: Non-hazardous (exempt)

Environment: Not classified as hazardous for the environment.

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS- No.	Concentration	Classification	Notes
West Nile Virus			proprietary		
(killed virus)					

Components not listed are not hazardous or are below reportable limits.

The full texts for all R-Phrases are displayed in Section 16, if applicable.

4 FIRST AID MEASURES		FIRST AID MEASURES
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General: Animals or persons developing anaphylactic (life-threatening) reactions, such as difficulty in breathing or unconsciousness, must receive immediate medical attention.

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eye Contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation or rash occurs, seek medical advice. Wash contaminated clothing before reuse.

Ingestion: Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

Injection: In case of accidental injection, wash the site thoroughly. Contact a physician immediately.

Note to Physician: For animal injection only. Not for human use.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: Extinguish with foam, carbon dioxide, dry powder and water fog or material appropriate for surrounding fire.

Unsuitable Extinguishing Media: None known

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards: None known

Hazardous Combustion Products: Carbon monoxide, carbon dioxide

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment (See Section 8).

Spill Cleanup Methods: STEPS TO BE TAKEN IF SIGNIFICANT QUANTITIES OF PRODUCT IS SPILLED: Absorb or cover with dry earth, sand or other non-combustible material. Place spillage in appropriate container for waste disposal. Wash contaminated clothing before use.

Environmental Precautions: Prevent runoff from entering drains, sewers or streams. Dike for later disposal.

7 HANDLING AND STORAGE

Handling: HANDLING SIGNIFICANT QUANTITIES OF PRODUCT: Avoid contact with eyes, skin or clothing. Avoid accidental injection. Wash hand thoroughly after handling.

Storage: Store at 2° - 7° C (35° - 45° F). Do not freeze. Store out of direct sunlight to protect product integrity. Shake well before using.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: None Established.

8

Engineering Controls: Not generally required when handling vials or containers. Good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Respiratory Protection: Not generally required when handling vials or containers. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA standard 63 FR 1152, January 8, 1998. Respirator type: NIOSH approved organic vapor respirator.

Europe: Wear appropriate personal protective equipment according to the Council Directive 89/686/EEC (4) and the appropriate CEN standards.

PERSONAL PROTECTIVE EQUIPMENT: Not generally required when handling containers. If containers are compromised or exposure to the mixture is likely wear:

Eye Protection: Wear safety glasses with side shields (or goggles).

Hand Protection: Wear suitable gloves.

Skin Protection: Wear lab coat, apron or appropriate clothing to prevent skin contact.

Hygiene Measures: Eye bath, washing facilities

PHYSICAL AND CHEMICAL PROPERTIES

Color: Clear to slightly opaque **Odor:** No data available Odor Threshold: No data available Physical State: Killed virus and adjuvant in an injectable solution. **pH**: No data available Melting Point: No data available Freezing Point: No data available **Boiling Point:** No data available Flash Point: No data available Flammability Limit – Upper (%): No data available Flammability Limit – Lower (%): No data available **Evaporation rate:** No data available Vapor Pressure: No data available Vapor Density (Air=1): No data available Specific Gravity: No data available Solubility: No data available Partition Coefficient (n-Octanol/water): No data available Autoignition Temperature: Not applicable **Decomposition Temperature:** No data available

10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Exposure to light. Temperatures below 2° C (35° F).

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: None known.

Possibility of Hazardous Reactions: Will not occur.

11

9

TOXICOLOGICAL INFORMATION

West Nile Virus Vaccine, Killed Virus is considered non-toxic.

Acute Toxicity: No data available

Chronic Health Effects: Possible hypersensitization (development of abnormal sensitivity).

Listed Carcinogens: None listed

12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available Persistence and degradability: No data available Mobility in soil: No data available Other adverse effects: No data available

Germany WGK: No data available

13 DISPOSAL CONSIDERATIONS

General Information: Dispose of in accordance with local, state, federal, national or international regulations.

Disposal Methods: No specific disposal method required. Do not empty into drains. Dispose of this material and its container in a safe way. Do not contaminate water, food, or feed by disposal.

RCRA Information: Not applicable

14 TRANSPORT INFORMATION

<u>DOT</u>: Not regulated

TDG: Not regulated

ADR/RID: Not regulated

IATA: Not regulated

IMDG: Not regulated

15 **REGULATORY INFORMATION**

Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

WHMIS Classification: Non-controlled

Inventory Status

This material is **not** listed on the following inventories: TSCA, DSL, AICS, EINECS, IECSC, ENCS, PICCS, KECI, and NZIoC. Therefore, it can only be used for TSCA exempt purposes such as R&D or veterinary use.

Canada CEPA Schedule 1 – None listed.

US Regulations

CERCLA Hazardous Substance List (40 CFR 302.4): None listed

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None listed

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None listed

SARA Title III

Section 302Extremely Hazardous Substance (40 CFR 355, Appendix A): None listed.

Section 311/312 (40 CFR 370): Not Regulated.

Section 313 Toxic Release Inventory (40 CFR 372): None listed.

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): None listed. Massachusetts Right-To-Know List: None listed. Minnesota Hazardous Substances List: None listed. New Jersey Right-To-Know List: None listed. Pennsylvania Right-To-Know List: None listed. Rhode Island Right-To-Know List: None listed.

European Regulations

Austria MAK List (Annex I): None listed. Denmark (Annex 3.6): None listed. Germany (Dangerous Substances Ordinance 2004, Annex III): None listed. Norway (List of Dangerous Substance): None listed. Sweden (Annex 3): None listed. Switzerland (Toxins List 1): None listed.

16 OTHER INFORMATION

<u>Hazard Ratings</u>

	Health Hazard	Fire Hazard	Reactivity Hazard
HMIS	1	1	0

	Health Hazard	Fire Hazard	Reactivity Hazard	Special Hazard
NFPA	1	1	0	N/A

* - Chronic health effect; 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

EU Symbol and R Phrase Definitions: None listed.

ABBREVIATIONS:

BIV – Boehringer Ingelheim Vetmedica, Inc.

N/A - Not applicable N/E - Not established pph - parts per hour

References:

- 1. West Nile Virus Vaccine, Killed Virus Label
- 2. Ariel WebInsight Regulatory Database. Regulatory Summary for North America, Western Europe, and Global Inventories Database.
- 3. GHS Manual

Prepared by: Boehringer Ingelheim Vetmedica, Inc. **Issue Date:** 07/02/2012 **Revision Information:** New

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MATERIAL SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION

Product Name: West Nile Virus Vaccine, Killed Virus Product No.: 1995.22 MSDS ID#: Not available GHS Product Identifier: Not applicable

Molecular Formula: Mixture, not applicable Molecular Weight: Not applicable CAS Number: Mixture, not applicable Chemical Family: Veterinary Vaccine

Manufacturer:

1

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Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

Medical Emergency (24HR): (866) 638-2226 **Non-Emergency Telephone:** (800) 821-7467

Intended Use: Vaccine for perenteral use in horses.

2 HAZARDS IDENTIFICATION

US GHS Classification

This preparation is not classified as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

US GHS Label Elements

Signal Word: None required. Symbol(s): None required.

Hazard Statements: None required.

Precautionary Statement(s):

General:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children. Read label before use.

3

OSHA Regulatory Status: Non-hazardous (exempt)

Environment: Not classified as hazardous for the environment.

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS- No.	Concentration	Classification	Notes
West Nile Virus			proprietary		
(killed virus)					

Components not listed are not hazardous or are below reportable limits.

The full texts for all R-Phrases are displayed in Section 16, if applicable.

4	FIRST .	AID MEASU	RES
-	TINDI	AID MLASU	NLO

General: Animals or persons developing anaphylactic (life-threatening) reactions, such as difficulty in breathing or unconsciousness, must receive immediate medical attention.

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Injection: In case of accidental injection, wash the site thoroughly. Contact a physician immediately.

Note to Physician: For animal injection only. Not for human use.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: Extinguish with foam, carbon dioxide, dry powder and water fog or material appropriate for surrounding fire.

Unsuitable Extinguishing Media: None known

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards: None known

Hazardous Combustion Products: Carbon monoxide, carbon dioxide

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Personal Precautions: Wear appropriate personal protective equipment (See Section 8).

Spill Cleanup Methods: STEPS TO BE TAKEN IF SIGNIFICANT QUANTITIES OF PRODUCT IS SPILLED: Absorb or cover with dry earth, sand or other non-combustible material. Place spillage in appropriate container for waste disposal. Wash contaminated clothing before use.

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Storage: Store at 2° - 7° C (35° - 45° F). Do not freeze. Store out of direct sunlight to protect product integrity. Shake well before using.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: None Established.

8

Engineering Controls: Not generally required when handling vials or containers. Good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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10 STABILITY AND REACTIVITY

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Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: None known.

Possibility of Hazardous Reactions: Will not occur.

11

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RCRA Information: Not applicable

14 TRANSPORT INFORMATION

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Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None listed

SARA Title III

Section 302Extremely Hazardous Substance (40 CFR 355, Appendix A): None listed.

Section 311/312 (40 CFR 370): Not Regulated.

Section 313 Toxic Release Inventory (40 CFR 372): None listed.

State Regulations

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16 OTHER INFORMATION

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	Health Hazard	Fire Hazard	Reactivity Hazard	Special Hazard
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* - Chronic health effect; 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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BIV – Boehringer Ingelheim Vetmedica, Inc.

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References:

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- 3. GHS Manual

Prepared by: Boehringer Ingelheim Vetmedica, Inc. **Issue Date:** 07/02/2012 **Revision Information:** New

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