

**A Safety Data Sheet is not required for this product according to OSHA Regulation 29CFR 1910.1200(g).**

A hazard evaluation has been conducted on the constituents in this product in accordance with OSHA's Hazard Communication Standard, 29 CFR 1910.1200(d). It has been determined that the product is not a hazardous chemical, and does not pose a physical or health hazard according to the guidelines set by OSHA's Hazard Communication Standard.

## **MERCK VACCINE AGENT SUMMARY SHEET (VASS)**

Prestige 3

### **Health and Safety Summary Information**

#### **SECTION I – IDENTIFICATION**

**Organisms:** Inactivated *Clostridium tetani* toxin; inactivated equine encephalomyelitis viruses (Eastern and Western).

**Characteristics:** A formaldehyde inactivated, adjuvanted polyvalent equine vaccine-toxoid consisting of Eastern and Western Equine Encephalomyelitis viruses and purified Tetanus Toxoid. [1]

#### **Company Information:**

Merck Animal Health  
2 Giralda Farms, Madison, NJ 07940-1026  
Customer Service: 800-521-5767  
Order Desk: 800-648-2118  
Technical Service (Companion Animal): 800-224-5318  
Technical Service (Livestock: cows, pigs, poultry, aquaculture): 800-211-3573  
Fax: 908-473-5560  
**Emergency Telephone Number:** 1-908-423-6000 (24/7/365)

#### **SECTION II - HAZARD IDENTIFICATION**

**Vaccine protects against:** Tetanus and equine encephalomyelitis disease.

#### **SECTION III - HEALTH HAZARDS**

#### **Special circumstances for workers:**

Prestige 3

#### **Disclaimer**

While this information and recommendations are believed to be accurate as of the date hereof, MERCK & CO, INC. makes no warranty with respect hereto and disclaims all liability from reliance thereon.



**A Safety Data Sheet is not required for this product according to OSHA Regulation 29CFR 1910.1200(g).**

A hazard evaluation has been conducted on the constituents in this product in accordance with OSHA's Hazard Communication Standard, 29 CFR 1910.1200(d). It has been determined that the product is not a hazardous chemical, and does not pose a physical or health hazard according to the guidelines set by OSHA's Hazard Communication Standard.

**Final vaccine product:** There is no active toxin or live virus present. The vaccine is not infectious to humans or animals. Accidental injection via puncture or cuts can cause serious local reactions.

**Live cultures:** Workers handling live cultures shall utilize BSL-2 and BSL-2 Large Scale precautions.

**Inactivated cultures:** Once the whole fermentation broth is formalin treated, there is no infectious or toxin risk. The inactivated toxins (toxoid) function as an antigen. Appropriate chemical safety precautions shall be taken while handling concentrated formalin and thimerosal.

**Active toxin (any concentration):** Exposure to crude toxin is expected to cause local tissue damage; however, the exposure site is not infectious as clostridial spores/vegetative cells are absent.

**Inactive toxin (any concentration):** Exposure to inactive crude toxin may cause local tissue irritation or damage; however, the exposure site is not infectious as clostridial spores/vegetative cells are absent.

#### **SECTION IV - MEDICAL**

**Medical Surveillance:** Not required.

**Accidental Self-Injection:** Contact a physician immediately if an accidental injection occurs. Care should be used to avoid injecting your own fingers, hands, or other body parts. Accidental injection can cause serious local reactions.

#### **SECTION V - RECOMMENDED PRECAUTIONS**

**Biological Containment:** During manufacturing, BSL-2 and BSL-2 Large Scale precautions are taken to prevent employee and/or environmental contamination.

Once inactivated as part of the manufacturing process, there are no live organisms present. At this point, biosafety precautions are no longer needed.

#### **SECTION VI - HANDLING INFORMATION**

Prestige 3

##### **Disclaimer**

While this information and recommendations are believed to be accurate as of the date hereof, MERCK & CO, INC. makes no warranty with respect hereto and disclaims all liability from reliance thereon.



**A Safety Data Sheet is not required for this product according to OSHA Regulation 29CFR 1910.1200(g).**

A hazard evaluation has been conducted on the constituents in this product in accordance with OSHA's Hazard Communication Standard, 29 CFR 1910.1200(d). It has been determined that the product is not a hazardous chemical, and does not pose a physical or health hazard according to the guidelines set by OSHA's Hazard Communication Standard.

### **Spills:**

**Live cultures, including concentrated active toxin:** Follow instructions found in your site biosafety risk assessment.

**Inactivated cultures and toxins:** The final formulated vaccine does not contain live organisms; therefore special biosafety spill procedures are not required. Spill cleanup is to be handled as per departmental SOP. If no SOP available, contain material using a spill pillow or absorbent material and dispose of according to departmental procedures. Soap and water can be used to clean up the area. Minimal personal protective equipment includes safety glasses, lab coat/work uniform, gloves and slip resistant shoe covers.

### **References**

1. ENCEVAC<sup>®</sup> T WITH HAVLOGEN<sup>®</sup> product information sheet, [http://www.merck-animal-health-usa.com/products/130\\_120669/productdetails\\_130\\_121127.aspx](http://www.merck-animal-health-usa.com/products/130_120669/productdetails_130_121127.aspx) ; accessed 7/25/2017.

Prestige 3

### **Disclaimer**

While this information and recommendations are believed to be accurate as of the date hereof, MERCK & CO, INC. makes no warranty with respect hereto and disclaims all liability from reliance thereon.

