

SAFETY DATA SHEETS

This SDS packet was issued with item:

078408585

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

078042800 078393343 078408668

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).

078408569

MERCK VACCINE AGENT SUMMARY SHEET (VASS)

Vision® 8 Somnus with SPUR®

Health and Safety Summary Information

SECTION I – IDENTIFICATION

Organisms: *Clostridium chauvoei-septicum-haemolyticum-novy-sordellii-perfringens*
Types C & D and *Haemophilus somnus*.

Characteristics: *Clostridium chauvoei-septicum-haemolyticum-novy-sordellii-perfringens*
Types C & D and *Haemophilus somnus* Bacterin-Toxoid

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: For use in healthy cattle as an aid in preventing disease caused by *Clostridium chauvoei* (Blackleg), *septicum* (Malignant edema), *haemolyticum* (Bacillary hemoglobinuria/Red Water), *novyi* (Black disease), *sordellii*, *perfringens* Types C & D (Enterotoxemia) and *Haemophilus somnus*..

SECTION III - HEALTH HAZARDS

Special circumstances for workers:

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.

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.

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.



V03142017

SECTION IV - MEDICAL

Medical Surveillance for inactivated *Clostridium* toxin or bacterin mixture: Not required.

Accidental Self-Injection: Obtain medical attention – show this document. Accidental self-injection may lead to an inflammatory response and medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. If possible the application of gentle squeezing pressure with absorbent material (e.g. facial tissues) at the injection site will swab up unabsorbed vaccine. Strong squeezing of the site should be avoided. The damaged area should be thoroughly cleansed and a topical antiseptic applied.

SECTION V - RECOMMENDED PRECAUTIONS

Biological Containment: 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

Spills:

Inactivated cultures and finished product: 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. VISION® 8 Somnus with Spur®, http://www.merck-animal-health-usa.com/products/130_120757/productdetails_130_121382.aspx , accessed 3/14/2017.

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.