

SAFETY DATA SHEETS

This SDS packet was issued with item:

078476174

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

078476182 078913982 078913983 078924570

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).

078659461 078659479 078698475 078705907 078913984

MERCK VACCINE AGENT SUMMARY SHEET (VASS)

Once PMH® SQ

Health and Safety Summary Information for Employees

SECTION I - IDENTIFICATION

Organisms: Avirulent live cultures of *Mannheimia haemolytica* and *Pasteurella multocida*. The organisms are not infectious to humans or animals.

Characteristics: For the vaccination of cattle to aid in the control of respiratory disease caused by *Mannheimia haemolytica* and *Pasteurella multocida*.

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: *Mannheimia haemolytica* is the cause of epizootic pneumonia in cattle known as Shipping Fever, Transit Fever or pneumonic pasteurellosis. 90% is caused by *Mannheimia haemolytica* Biotype A, serotype 1 but also *Pasteurella multocida*. It is usually secondary to viral infections such as parainfluenza - 3 or IBR, bacterial infections such as *Mycoplasma* or environmental stress.

Pasteurella multocida causes atrophic rhinitis in pigs. It also can cause pneumonia or bovine respiratory disease in cattle.

SECTION III - HEALTH HAZARDS

Special circumstances for workers handling vaccine: None.

Once PMH® SQ

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.



SECTION IV - MEDICAL

Medical Surveillance: Not required.

SECTION V - RECOMMENDED PRECAUTIONS

Containment: During manufacturing, BSL-1 precautions are taken to prevent employee and/or environmental contamination.

SECTION VI - HANDLING INFORMATION

Spills: A spill cleanup procedure should be developed. If none is available, contain material by covering with absorbent material. Minimal personal protective equipment includes safety glasses, lab coat/work uniform, gloves, and slip resistant shoe covers. Cover with paper towels. Soak the towels with freshly prepared dilution (1:10) of bleach in tap water. Allow soaked toweling to sit for at least 10 minutes. Carefully gather all waste materials into a plastic bag, then dispose of by burning. Alternately, dispose of the bag as infectious waste/ (RMW) via a RMW contract provider.

References

1. Once PMH® SQ Data Sheet, http://www.merck-animal-health-usa.com/products/130_120699/productdetails_130_121214.aspx , accessed 4/9/2014.

Once PMH® SQ

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.

