

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT INFORMATION

PRODUCT NAME: Veterinary Biologicals (See Synonym List Below)
MSDS NUMBER: 21391
PRODUCT CODE: Various
CHEMICAL FAMILY: Biological Vaccines with Thimerosal
SYNONYMS: BRSV Vac 9; Horizon I; Horizon 1+VAC3; Horizon 2; Horizon 4; Horizon 7; Horizon 8; Horizon 9; Horizon 10; Lepto Guard 5; Prestige; Prestige II; Prestige V; Prestige wKY93; TGE/Ecoliguard 4-C; Volar; Strepguard; Prodigy; Heritage 1+LP; Heritage 2+LP; Heritage 7; Heritage 8; Mycogard; LeptoGuard P; Leptospirol 5
DOSAGE FORM: Vaccines - Various

MANUFACTURER/SUPPLIER: Intervet, Inc.
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P.O. Box 318
Millsboro, DE 19966

TELEPHONE: 1-800-268-4257
EMERGENCY #: 1-800-345-4735 (only to be used after hours between 4:30pm - 8:30am)
FAX: 1-888-498-4444

SECTION II – INGREDIENT INFORMATION

HAZARDOUS INGREDIENTS	CAS#	EXPOSURE LIMITS		CONCENTRATION (%)
		OSHA	ACGIH	
Adjuvants Specific chemical identity is withheld as a trade secret		Not Established	Not Established	10 - 30%

SECTION III – PHYSICAL DATA

BOILING POINT: Not established
VAPOR PRESSURE: Not established
SOLUBILITY IN WATER: Soluble
PHYSICAL STATE: Liquid
APPEARANCE AND ODOUR: Clear or brown; not established

MELTING/FREEZING POINT: Not established
SPECIFIC GRAVITY: Not established
pH: 6 - 8
MOLECULAR WEIGHT: Not applicable
BULK DENSITY: Not applicable

SECTION IV – FIRE AND EXPLOSION DATA

FLASH POINT: Not Applicable
EXTINGUISHER MEDIA: Material is not combustible. Use extinguishing media suitable for other combustible materials in the area.

SECTION V – HEALTH HAZARD DATA

EMERGENCY OVERVIEW: Colour: Clear or brown; Form: Liquid; Odour: Not established.
POTENTIAL HEALTH EFFECTS:
ROUTE OF ENTRY: Dermal, Injection, Inhalation, Ingestion

SECTION V – HEALTH HAZARD DATA (CONT.)

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS OF EXPOSURE: Some products listed in Section I may contain live, non-pathogenic viruses. Exposure during the end-use of any of the products listed in Section I is expected to be minimal. End users should refer to the packaging label for proper handling procedures. No acute health effects are known to occur from exposure to any of the products listed in Section I. However, adjuvants which may be contained in some of these vaccines can cause localized swelling if injected.

CHRONIC EFFECTS OF EXPOSURE: None known.

CARCINOGENICITY: This product is not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No medical conditions are known which may be aggravated by exposure to any of the vaccines listed in Section I. However, hypersensitivity to mercury may be aggravated by exposure to Thimerosal, a preservative in these vaccines.

FIRST AID PROCEDURES:

In case of contact with eyes, flush with plenty of water for 15 minutes. Contact a physician.

In case of contact with skin, **IMMEDIATELY** wash exposed skin with antiseptic soap.

In case of inhalation, contact a physician.

In case of ingestion, contact a physician.

OTHER: If accidentally injected with any of the products listed in Section I, wash wound with Betadine.

SECTION VI – REACTIVITY DATA

STABILITY: Stable .
Unstable:

CONDITIONS OF INSTABILITY: None known

INCOMPATIBILITY (Materials to Avoid): None known

DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION:

May occur:

Will not occur:

SECTION VII – SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN: Use absorbents on liquid spills.

NEUTRALIZATION CHEMICALS: Use appropriate disinfectant.

DISPOSAL METHODS: Follow container label instructions for disposal of wastes generated in compliance with product label. In other situations, wastes should be autoclaved and incinerated in an EPA-approved incinerator.

SECTION VIII - SPECIAL PROTECTION INFORMATION

REQUIRED WORK/HYGIENE PROCEDURES: Exposure during the end-use of these products is expected to be minimal. End-users should refer to the packaging label for proper handling procedures. However, sufficient exposure to any of these products may occur during manufacturing, spills, etc., in which case the following personal protection is recommended.

RESPIRATORY PROTECTION: Under normal handling conditions, no respiratory protection is necessary; however, if ventilation is inadequate, wear a NIOSH-approved respirator.

VENTILATION: Use adequate ventilation during manufacturing and filling.

EYE PROTECTION: Wear splash protection when needed to prevent liquid contact.

PROTECTIVE GLOVES: Wear rubber gloves.

SKIN PROTECTION: Avoid skin contact. Wear long sleeves and trousers to prevent dermal exposure.

OTHER PROTECTIVE MEASURES: Wash with soap and water after exposure to product. Launder clothes daily.

SECTION IX – STORAGE AND HANDLING PRECAUTIONS

STORAGE TEMPERATURE (MIN/MAX): 2-7°C (35-45°F).

SHELF LIFE: See expiration date on product label.

SPECIAL SENSITIVITY: Avoid high temperatures and freezing of liquid.

HANDLING/STORAGE PRECAUTIONS: See product label.

SECTION X – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

ORAL LD ₅₀ :	Not established
DERMAL LD ₅₀ :	Not established
INHALATION LC ₅₀ :	Not established
EYE EFFECTS:	Rabbit - irritant (for Thimerosal)
SKIN EFFECTS:	Not established
SENSITIZATION:	Not established

SECTION XI – ECOLOGICAL INFORMATION

No ecological information available.

SECTION XII - TRANSPORTATION INFORMATION

TECHNICAL SHIPPING NAME: Not applicable

FREIGHT CLASS PACKAGE: Drugs and Medicines

PRODUCT LABEL: Not noted

DOT (DOMESTIC SURFACE)

HAZARD CLASS OR DIVISION: Non-Regulated

IMO/IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER: Non-Regulated

ICAO/IATA (AIR)

HAZARD CLASS DIVISION NUMBER: Non-Regulated

SECTION XIII - REGULATORY INFORMATION

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is a food, food additive, drug, cosmetic or device as defined by Section 201 of the Federal Food, Drug and Cosmetic Act and therefore is exempt from TSCA regulation under Section 3 (2) (B) (vi).

CERCLA REPORTABLE QUANTITY: Not applicable.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard

SECTION 313 TOXIC CHEMICALS: None

RCRA STATUS: When discarded in its purchased form, this product meets the criteria of the Toxicity Characteristic Leaching Procedure (TCLP) for mercury (EPA Hazardous Waste Number D009), and should be managed as a hazardous waste.

SECTION XIV - ADDITIONAL INFORMATION

NFPA 704M RATINGS	Health	Flammability	Reactivity	Other
	1	0	0	
	0= Insignificant	1=Slight 2=Moderate	3=High 4=Extreme	

Bayer's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. NFPA ratings are provided by Bayer as a customer service.

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SIGNED: _____

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