



UPDATED PRODUCT CODES: 069092, 069093, 069088, 069087, 031685, 039281,
038722, E-696-10, E-696-1, E-694-10
VERSION DATE: 7/2007

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MATERIAL SAFETY DATA SHEET

----- 1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION -----

Product Name: VETERINARY BIOLOGIC PRODUCTS
Product Family: EQUINE VACCINES w/ thimerosal and formaldehyde

SYNONYMS:

PRODUCT CODE:

ENCEVAC® TC-4 10DS
ENCEVAC® TC-4 1DS

031685
035127

ENCEVAC® TC-4+ VEE 10DS
ENCEVAC® TC-4+ VEE 1DS

039281
038722

SUPER-TET®

E-696-10
E-696-1

MYSTIQUE® II

E-694-10

PRODUCT USE: Refer to product insert for proper usage.

COMPANY ADDRESS - Intervet Inc – 29160 Intervet Lane - Millsboro, DE 19966

----- 2. COMPOSITION / INFORMATION on INGREDIENTS -----

<u>HAZARDOUS COMPONENT/ CAS NUMBER:</u>	<u>EXPOSURE LIMITS:</u>	<u>CONCENTRATION:</u>
Formaldehyde 50-00-00	<u>OSHA:</u> 0.75 ppm (TWA) 2.0 ppm (STEL) <u>ACGIH:</u> 0.30 ppm (Ceiling)	0.1 - 0.5%
Adjuvant *	None Established	10 - 30%

* Specific chemical identity withheld as trade secret.

EMERGENCY: HUMAN, FIRE, SPILL OR ENVIRONMENTAL: 1-800-228-5635 EXT. 132 24 HRS.
ANIMAL: 1-800-345-4735 EXT. 104 24 HRS.
CHEMTREC® FOR CHEMICAL EMERGENCY SPILL, LEAK, FIRE: 1-800-424-9300

PRODUCT INFORMATION: 1-800-835-0541 OR 1-302-934-8051 9:00 A.M. – 5:00 P.M. EST



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----- 3. HAZARDS IDENTIFICATION -----

ROUTES OF ENTRY: *Dermal, Injection, Inhalation, Ingestion*

ACUTE EFFECTS OF EXPOSURE: Employee exposure to hazardous components when handled and administered according to the product insert is expected to be minimal. However, sufficient exposure to formaldehyde in large quantities as may be encountered during a large spill or other unforeseeable event, may cause irritation of the upper respiratory tract, eyes and skin. Respiratory tract infection may include burning of the nose throat and coughing. In severe situations pneumonitis, pulmonary edema and even death may occur.

Accidental human injection of inactivated oil emulsion vaccines, containing adjuvants, diluents and stabilizers may cause serious localized reactions and direct tissue injury. Symptoms of exposure may include significant swelling and pain at the area of injection. Other concerns may involve bacterial infection from needles used in multiple animal vaccinations.

CHRONIC EFFECTS OF EXPOSURE: No chronic health effects associated with the listed products are known, however repeated exposure to formaldehyde, a component of these products, has been known to cause respiratory impairment and has the potential to cause cancer in humans.

CARCINOGENIC EFFECTS: Formaldehyde is considered to be a possible and reasonably anticipated human carcinogen by NTP and IARC, formaldehyde is regulated as a carcinogen by OSHA.

----- 4. FIRST AID MEASURES -----

SKIN: *Wash immediately affected area with soap and water. Contact a physician if irritation occurs.*

EYES: *Immediately flush with plenty of water for fifteen minutes. Contact a physician*

INHALATION: *Remove to fresh air. If not breathing, give artificial respiration and call for medical help immediately.*

INGESTION: *Seek medical attention immediately.*

INJECTION: *Remove needle, wash injection site with soap and water, contact physician immediately. Following accidental injection, the vaccine can remain in the focal area near the injection site or disperse itself from the injection site. After physician evaluation, it may be found prudent to remove the foreign irritant.*

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----- 5. FIRE FIGHTING MEASURES -----

EXTINGUISHING METHODS: Use Water, Water Mist, Foam or Dry Chemical to extinguish fire. For fighting large fire wear full bunker gear, including SCBA. Keep upwind.

----- 6. ACCIDENTAL RELEASE MEASURES -----

PROCEDURES IN CASE OF SPILL OR LEAK: Clean up spilled material. Place in a secure container for disposal.

----- 7. HANDLING and STORAGE -----

STORAGE: Keep refrigerated, 2°-7°C (36°-45°F). Protect containers from damage.

SHELF LIFE: See expiration date on product label.

HANDLING PRECAUTIONS: Read and follow all package insert instructions. Protect containers from damage.

----- 8. EXPOSURE CONTROL / PERSONAL PROTECTION -----

EYES: Prevent eye contact by wearing appropriate eye protection for handling tasks.

SKIN: Avoid skin contact. Wear chemical resistant gloves, long-sleeves and trousers to prevent dermal contact.

RESPIRATOR PROTECTION: Under normal conditions of use, as stated in the product insert, no respiratory protection is necessary. However, if ventilation is inadequate wear a NIOSH approved respirator.

----- 9. PHYSICAL and CHEMICAL PROPERTIES -----

APPEARANCE: Clear or Brown liquid w/ no discernible odor.

PH: Neutral

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----- **10. STABILITY and REACTIVITY** -----

CHEMICAL STABILITY: *Stable*

CONDITIONS TO AVOID: *None known*

INCOMPATIBILITY: *None Known*

HAZARDOUS POLYMERIZATION: *Will not occur*

----- **11. TOXICOLOGICAL INFORMATION** -----

Oral LD 50 Rat: *Not available*

Intraperitoneal LD50 (rat): *Not available*

Intraperitoneal LD50 (mouse): *Not available*

----- **12. ECOLOGICAL INFORMATION** -----

This product when used according to the insert direction poses negligible impact on the environment.

----- **13. DISPOSAL CONSIDERATIONS** -----

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

----- **14. TRANSPORTATION** -----

DOT SHIPPING INFORMATION: *Not regulated by the DOT*

----- **15. REGULATORY INFORMATION** -----

OSHA STATUS: *This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200*

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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) (vii)*

SARA Title III:

Section 302 Extremely Hazardous Substance:	Formaldehyde
Section 311/312 Hazard Categories:	Immediate Health Hazard
Section 313 Toxic Chemicals:	Formaldehyde

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

-----16. OTHER INFORMATION -----

The information contained herein is true and accurate to the best of the knowledge of Intervet Inc. However, all data, instructions and/or recommendations are made without guarantee. The buyer and handler assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of the product label.

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