

SAFETY DATA SHEETS

This SDS packet was issued with item:

078041818

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

078392558



UPDATED PRODUCT CODE: 069152
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:

SUPER-TET® 10DS

PRODUCT CODE:

069152

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.

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

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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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.

----- 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 -----

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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*

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

CHEMICAL STABILITY: *Stable*

CONDITIONS TO AVOID: *None known*

INCOMPATIBILITY: *None Known*

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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*

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:	<i>Formaldehyde</i>
Section 311/312 Hazard Categories:	<i>Immediate Health Hazard</i>
Section 313 Toxic Chemicals:	<i>Formaldehyde</i>

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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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MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT INFORMATION

PRODUCT NAME: Veterinary Biologic Products
PRODUCT TYPE: Equine Vaccines w/ thimerosal and formaldehyde
MSDS NUMBER: E.01.04
PRODUCT USE: Refer to product insert for proper usage.
SYNONYMS:
ENCEVAC-T
ENCEVAC T+ VEE
ENCEVAC TC-4
ENCEVAC T-4+ VEE
SUPER-TET
MYSTIQUE II

PRODUCT CODE:
467099, 466999
048899, 048799
039799, 039699
048699, 048599
479199, 478699
025299

MANUFACTURER/SUPPLIER: Intervet, Inc.
405 State Street
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 COMPONENT	CAS #	EXPOSURE LIMITS		CONCENTRATION (%)
		OSHA	ACGIH	
Formaldehyde	50-00-00	0.75ppm (TWA) 2.0ppm (STEL)	0.30ppm (Ceiling)	0.1 - 0.5
Adjuvant*		None Established		10 - 30

*Specific chemical identity withheld as trade secret.

SECTION III – PHYSICAL DATA

pH: Neutral
APPEARANCE AND ODOUR: Clear or brown liquid w/ no discernible odour.

SECTION IV - FIRE AND EXPLOSION DATA

EXTINGUISHER MEDIA: Use water, water mist, foam, or dry chemical to extinguish fire.
SPECIAL FIRE FIGHTING PROCEDURES/EQUIPMENT: For fighting large fire wear full bunker gear, including SCBA.
Keep upwind.

SECTION V – HEALTH HAZARD DATA

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

SECTION V – HEALTH HAZARD DATA (CONT.)

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.

Oral LD₅₀ Rat: Not available
Intraperitoneal LD₅₀ (rat): Not available
Intraperitoneal LD₅₀ (mouse): Not available

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.

FIRST AID PROCEDURES:

In case of 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.

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

In case of contact with skin, wash **IMMEDIATELY** affected area with soap and water. Contact a physician if irritation occurs.

In case of inhalation, remove to fresh air. If not breathing, give artificial respiration and call for medical help **IMMEDIATELY**.

In case of ingestion, seek medical attention **IMMEDIATELY**.

SECTION VI – REACTIVITY DATA

STABILITY: Stable X
Unstable:

INCOMPATIBILITY (Materials to Avoid): None known.

CONDITIONS TO AVOID: None known.

HAZARDOUS POLYMERIZATION:

May occur:

Will not occur: X

SECTION VII – SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN: In case of spill or leak, clean up spilled material. Place in a secure container for disposal.

DISPOSAL METHODS: 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.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY 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.

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

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

SECTION IX – STORAGE AND HANDLING PRECAUTIONS

STORAGE AND HANDLING: Keep refrigerated, 2-7°C (36-45°F). Protect containers from damage. Read and follow all package insert instructions.

SHELF LIFE: See expiration date on product label.

SECTION X – ECOLOGICAL INFORMATION

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

SECTION XI – TRANSPORTATION INFORMATION

DOT SHIPPING INFORMATION: Not regulated by the DOT.

SECTION XII - REGULATORY INFORMATION

OSHA STATUS: This product is 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) (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.

SECTION XIII - ADDITIONAL 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.

FOR ANIMAL USE ONLY

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SIGNED: _____

DATE ISSUED: January 2, 2008