MANUFACTURER: BAYER CORPORATION
AGRICULTURE DIVISION
12707 WEST 63RD
SHAWNEE MISSION, KS 66216-1846

TRANSPORTATION EMERGENCY:
CALL CHEMTREC: (800) 424-9300
DISTRICT OF COLUMBIA: (202) 483-7616

NON-TRANSPORTATION:
BAYER EMERGENCY PHONE: (800) 422-9874
BAYER INFORMATION PHONE: (913) 631-4800

I. PRODUCT IDENTIFICATION

PRODUCT NAME: Veterinary Biologicals (see Synonyms List below)
PRODUCT CODE: Various
CHEMICAL FAMILY: Biological Vaccines
SYNONYMS: BRSV Vac; BRSV Vac 2; BRSV Vac 3; BRSV Vac 4; Ovine Ecthyma; TGE Vac; Thraxol 2
FORMULA: Mixture - Does not apply

II. HAZARDOUS INGREDIENTS

This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

III. PHYSICAL PROPERTIES

PHYSICAL FORM: Liquid
COLOR: Clear or brown
ODOR: Not established
MOLECULAR WEIGHT: Not applicable
BOILING POINT: Not established
MELTING/FREEZING POINT: Not established
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: Not established
VAPOR PRESSURE: Not established

IV. FIRE AND EXPLOSION DATA

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

V. REACTIVITY DATA

STABILITY: This is a stable material.
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITIES: None known
INSTABILITY CONDITIONS: None known
DECOMPOSITION PRODUCTS: None known

VI. EMERGENCY AND FIRST AID PROCEDURES

FIRST AID FOR EYES: Flush with plenty of water for 15 minutes. Contact a physician.
FIRST AID FOR SKIN: Immediately wash exposed skin with antiseptic soap. If exposed to ovine ecthyma and blistering results, do not open or break pustules.
FIRST AID FOR INHALATION: Contact physician.
FIRST AID FOR INGESTION: Contact physician.

NOTE TO PHYSICIAN: Exposure to ovine ecthyma can infect man through abrasions and mucous membranes.

VII. EMPLOYEE PROTECTION RECOMMENDATIONS

REQUIRED WORK/HYGIENE PROCEDURES: Exposure during the end-use of these products is expected to be minimal. Employees 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.

SKIN PROTECTION REQUIREMENTS: Wear long sleeves and trousers to prevent dermal exposure, especially to ovine ecthyma.
HAND PROTECTION REQUIREMENTS: Wear rubber gloves.
EYE PROTECTION REQUIREMENTS: Wear splash protection when necessary to prevent liquid contact.

VIII. REACTIVITY DATA

STABILITY: This is a stable material.
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITIES: None known
INSTABILITY CONDITIONS: None known
DECOMPOSITION PRODUCTS: None known

IX. SPILL AND LEAK PROCEDURES

SPILL OR LEAK PROCEDURES: Use absorbents on liquid spills
WASTE DISPOSAL METHOD: Follow container label instructions for disposal of wastes generated during use in compliance with the product label. In other situations, wastes should be autoclaved and buried in an EPA-approved landfill or burned in an approved incinerator.

X. SPECIAL PRECAUTIONS & STORAGE DATA

STORAGE TEMPERATURE (MIN/MAX): 35-45°F (2-7°C)
SHELF LIFE: See expiration date on product label
SPECIAL SENSITIVITY: Avoid high temperatures and freezing of liquid.

HANDLING/STORAGE PRECAUTIONS: See product label
XI. SHIPPING INFORMATION

TECHNICAL SHIPPING NAME: Not applicable

FREIGHT CLASS PACKAGE: Drugs and Medicines

PRODUCT LABEL: Not noted

DOT (HM-181) (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

XII. ANIMAL TOXICITY DATA

ACUTE TOXICITY:

ORAL LD50: Not established

DERMAL LD50: Not established

INHALATION LC50: Not established

EYE EFFECTS: Not established

SKIN EFFECTS: Not established

SENSITIZATION: Not established

XIII. FEDERAL 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 exempt from TSCA regulation under Section 3 (2)(B)(vi) when used as a food, food additive, drug, cosmetic or device as defined by Section 201 of the Federal Food, Drug and Cosmetic Act.

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: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

XIV. OTHER REGULATORY INFORMATION

NFPA 704M RATINGS:

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 Corporation as a customer service.

XV. APPROVALS

REASON FOR ISSUE: Create new MSDS

PREPARED BY: V. C. Standart

APPROVED BY: D. C. Eberhart

TITLE: Product Safety Manager

APPROVAL DATE: 04/05/95

SUPERSEDES DATE: None

MSDS NUMBER: 20692

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PRODUCT CODE: Various

APPROVAL DATE: 04/05/95