MATERIAL SAFETY DATA SHEET

SECTION I. MATERIAL IDENTIFICATION

MANUFACTURER: BOEHRINGER INGELHEIM ANIMAL HEALTH, INC.
2621 NORTH BELT HIGHWAY
ST JOSEPH, MISSOURI 64502
TELEX: 42 6205
PHONE: 816-233-2571
NO. 024
PHONE: 800-821-7467

SECTION II. INGREDIENTS AND HAZARDS

INGREDIENTS % OSHA PEL HAZARD DATA/ TOXICITY
Formaldehyde \(</=0.5\%\) 2 ppm or TDL0, Inhalation, Rat
v/v 3 mg/m3 6-15 ppm over 24
Ceiling months (Nasal
Limit. Cancer)
LD50, Oral, Woman 36
mg/kg
TCL0, Inhalation, Human 17 ppm
Phenol Approx. 0.5% 19
v/v mg/m3, LD50, Oral, Rat 414
Air, mg/Kg LD50, Skin
TWA, 8 hour. Absorption, Rat 669
mg/Kg

SECTION III. PHYSICAL DATA

BOILING POINT at 1 atm, deg C:
VAPOR PRESSURE at 15 deg C, mm Hg: N/A
VAPOR DENSITY (AIR = 1):
WATER SOLUBILITY at 20 deg C: N/A
SPECIFIC GRAVITY, 20/4 deg C:
EVAP. RATE (BuAc = 1): N/A
VOLATILES, %:
MOLECULAR WEIGHT: N/A
APPEARANCE & ODOR: Light brown opaque Liquid.

SECTION IV. FIRE AND EXPLOSION DATA

FLASH POINT AND METHOD: N/A
AUTOIGNITION TEMP.: N/A
FLAMMABILITY LIMITS IN AIR: N/A
LOWER:
UPPER:
EXTINGUISHING MEDIA:
SPECIAL FIRE FIGHTING PROCEDURES: None.

SECTION V. REACTIVITY DATA

STABILITY: Stable.
CONDITIONS TO AVOID: None.
INCOMPATIBLE WITH: No incompatibility known.
HAZARDOUS DECOMPOSITION PRODUCTS: None.
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: N/A

SECTION VI. HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE: Not for human use. In case of accidental injection, wash and thoroughly disinfect and consult your physician. There is no danger of infection as the vaccine is packaged as a sterile, nonviable product.

TARGET ORGANS:
PRIMARY ROUTES OF ENTRY: Unknown.
FIRST AID:
EYE CONTACT: In the event of accidental eye contact, flush with copious amounts of water. Immediately consult a physician. Not considered to be a skin irritant. However, if irritation occurs, immediately consult a physician. No information available regarding inhalation or ingestion.

SKIN CONTACT: INHALATION: In case of inhalation or ingestion, immediately consult a physician.

SECTION VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

SPILLS, LEAKS: For formaldehyde, neutralize with sodium bisulfite. Absorb with Vermiculite or equivalent absorbent and dispose in accord with Local, State and Federal regulations.

DISPOSAL: Dispose in accord with City, State and Federal Regulations.

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N/A
VENTILATION: N/A
PROTECTIVE GLOVES: N/A
EYE PROTECTION: N/A

SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS

STORAGE & HANDLING INFORMATION: READ AND FOLLOW ALL LABEL DIRECTIONS
Store at a temperature not over 45 degrees F. Avoid freezing.
DOT CLASS: None.

Approvals

Larry Hillsabeck
Bio Control & Regulatory Affairs Manager - 7/14/93
Dr. Shobha Varma
Manager, Quality Assurance - 7/15/93

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