

----- MATERIAL SAFETY DATA SHEET -----

Boehringer Ingelheim

BAR VAC 8 & FERMICON 8 (7160.00)

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----- SECTION I. MATERIAL IDENTIFICATION -----

REVIEWED: 7/02/93  
 MATERIAL NAME: Bar Vac 8 & Fermicon 8 (7160.00)  
 OTHER DESIGNATIONS: Clostridium Chauvoei-Septicum-  
 Haemolyticum-Novyi-Sordellii-Perfringens Types C&D  
 Bacterin-Toxoid  
 CHEMICAL FAMILY: Vaccine  
 TRADE NAME: See Above.

----- SECTION II. INGREDIENTS AND HAZARDS -----

INGREDIENTS AND HAZARDS	%	OSHA PEL	HAZARD DATA/ TOXICITY
Formaldehyde	</=0.5% v/v	2 ppm or 3 mg/m3 Ceiling Limit.	TDLo, Inhalation, Rat 6-15 ppm over 24 months (Nasal Cancer) LDLo, Oral, Woman 36 mg/kg TCLo, Inhalation, Human 17 ppm
Phenol	Approx. 0.5% v/v	5 ppm or 19 mg/m3, Air, TWA, 8 hour.	LDLo, Oral, Humah 140 mg/m3 LD50, Oral, Rat 414 mg/Kg LD50, Skin 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.  
 INGESTION:

----- 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  
 OTHER PROTECTIVE EQUIPMENT: 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 Hilsabeck  
 Bio Control & Regulatory Affairs Manager - 7/14/93  
 Dr. Shobha Varma  
 Manager, Quality Assurance - 7/15/93

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