



MATERIAL SAFETY DATA SHEET

IDENTITY		Product # 117, 123							
Ery Shield - Bacterin									
Section I									
Manufacturer's Name Novartis Animal Health, US, Inc.		Emergency Telephone Number 800-454-3424							
Address (Number, Street, City, State, and Zip Code)		Telephone Number for Information 800-843-3386							
1447 140th Street		Date Prepared November 5, 1992		Date Revised: February 13, 2009					
Larchwood, IA 51241-9778		Signature of Preparer (optional)							
Section II - Hazardous Ingredients/Identity Information									
Hazardous Components (Specific Chemical Identity; Common Name(s))		OSHA PEL	ACGIH TLV	Other limits Recommended	% (optional)				
Formaldehyde			0.75 ppm	0.3 ppm	≤ 0.5				
Section III - Physical/Chemical Characteristics									
Boiling Point	NA	Specific Gravity (H ₂ O = 1)		NA					
Vapor Pressure (mm Hg.)	NA	Melting Point		NA					
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)		NA					
Solubility in Water	Yes								
Appearance and Odor	Opaque liquid								
Section IV - Fire and Explosion Hazard Data									
Flash Point (Method Used)	NA	Flammable Limits		LEL NA	UEL NA				
Extinguishing Media	Dry chemical or carbon dioxide								
Special Fire Fighting Procedures	Wear protective clothing and a self contained breathing apparatus as appropriate for the surrounding fire.								
Unusual Fire and Explosion Hazards	None								

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Section V - Reactivity Data								
Stability	Unstable		Conditions to Avoid	None				
	Stable	X						
Incompatibility (Materials to Avoid)								
None								
Hazardous Decomposition or Byproducts								
Carbon monoxide or carbon dioxide								
Hazardous Polymerization	May Occur		Conditions to Avoid	None				
	Will Not Occur	X						
Section VI - Health Hazard Data								
Route(s) of Entry:	Inhalation?	Skin?	Ingestion?					
	Yes		Yes	Yes				
Health Hazards (Acute and Chronic)								
The product may be irritating in the case of skin or eye contact.								
Carcinogenicity:	NPT?	Yes	IARC Monographs?	Yes				
Formaldehyde is a suspected human carcinogen.								
Emergency and First Aid Procedures	In case of skin or eye contact, flush with plenty of water. If the product is ingested, wash the mouth out with water and call a physician. In case of accidental injection, wash the puncture site and see a physician immediately.							
Section VII - Precautions for Safe Handling and Use								
Steps to Be Taken in Case Material Is Released or Spilled								
Clean up the spill with absorbent material, and afterwards, wash the site thoroughly with water.								
Waste Disposal Method	Dispose in accordance with all applicable federal, state, and local environmental regulations.							
Precautions to Be Taken in Handling and Storing								
Refrigerate the product (2° to 7° C) {35° to 45° F}. Keep the container closed when stored, and shake well before using.								
Other Precautions	NA							
Section VIII - Control Measures								
Respiratory Protection (Specify Type)								
An approved cartridge respirator for large spills								
Ventilation	Local Exhaust	No	Special	NA				
	Mechanical (General)	Yes	Other	NA				
Protective Gloves	Vinyl or nitrile		Eye Protection	Goggles				
Other Protective Clothing or Equipment								
NA								
Work/Hygienic Practices	Take precautions to prevent accidental injections.							

Section IX - Regulatory Information

Component: Formaldehyde

Formaldehyde is subject to SARA (Secs. 312 and 313), CERCLA, and 29 CFR 1910.1048 regulations

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This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. Accordingly, no guarantee expressed or implied is made by Novartis Animal Vaccines, Inc. as to the results to be obtained based upon your use of the information, nor does Novartis Animal Vaccines, Inc. assume any liability arising out of your use of the information.
