



MATERIAL SAFETY DATA SHEET

IDENTITY		Product # 355, 356, 603319, 603320	
PneumoSTAR Myco - 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) 1447 140th Street	Telephone Number for Information 800-843-3386		
Larchwood, IA 51241-9778	Date Prepared December 11, 2003	Date Revised: February 13, 2009	
		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)
Thimerosal (merthiolate)	0.01 mgm/m3	0.01 mg/m3	
Thimerosal is an organomercury compound			
Section III - Physical/Chemical Characteristics			
Boiling Point	NA	Specific Gravity (1.003-1.005)	NA
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate	NA
Solubility in Water Aqueous			
Appearance and Odor Colorless aqueous suspension			
Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used) NA	Flammable Limits NA	LEL NA	UEL NA
Extinguishing Media Water or CO2			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards None			

PneumoSTAR Myco - Bacterin

Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid None
	Stable	X	
Incompatibility (Materials to Avoid) None			
Hazardous Decomposition or Byproducts CO and CO2			
Hazardous Polymerization	May Occur		Conditions to Avoid None
	Will Not Occur	X	
Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
Health Hazards (Acute and Chronic)			
Medical conditions generally aggravated by exposure: Allergies to product constituents.			
Carcinogenicity: NPT? No IARC Monographs? No OSHA Regulated? No			
Emergency and First Aid Procedures In case eye contact, flush eyes with running tap water for 15 minutes.			
Skin contact – Wash thoroughly with soap and water. Ingestion – Contact a physician or poison control center.			
Injection – Contact a physician or poison control center. Review status of tetanus immunization. Consider antibiotic therapy to control infection.			
Medical conditions generally aggravated by exposure: Allergies to product constituents.			
Section VII - Precautions for Safe Handling and Use			
For small spills, mop or wipe up. For large spills, absorb with non-combustible material. Keep out of sewers, storm drains, surface water and soil.			
Waste Disposal Method Dispose in accordance with all applicable federal, state, and local environmental regulations.			
Precautions to Be Taken in Handling and Storing Store at 2° to 7°C (35° to 45°F). Do not allow to freeze. Follow label directions.			
Other Precautions NA			
Section VIII - Control Measures			
Respiratory Protection (Specify Type) NA			
Ventilation	Local Exhaust	Yes	Special NA
	Mechanical (General)	NO	Other NA
Protective Gloves	Recommend (latex)		Eye Protection Safety glasses with side shields
Other Protective Clothing or Equipment NA			
Work/Hygienic Practices Take precautions to prevent accidental injections			

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Section IX - Regulatory Information

Component: Thimerosal

Mercury and mercury compounds are subject to CWA, SDWA, CAA, RCRA, CERCLA, SARA (Secs. 312 and 313), DOT and 29 CFR 1910.1200 regulations.

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.
