



MATERIAL SAFETY DATA SHEET

IDENTITY		Product # 390	
Clostridium Perfringens Type A - Toxoid (Porcine)			
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 Larchwood, IA 51241-9778	Telephone Number for Information 800-843-3386 Date Prepared August 23, 2006 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)
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 NA	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		

Clostridium Perfringens Type A - Toxoid (Porcine)

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	OSHA Regulated? 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.			

Clostridium Perfringens Type A – Toxoid

Section IX - Regulatory Information

Component: Formaldehyde

Formaldehyde is subject to SARA (Secs. 312 and 313), CERCLA, and 29 CFR 1910.1048 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 have not verified and 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 Health US, Inc. as to the results to be obtained based upon your use of the information, nor does Novartis Animal Health US, Inc. assume any liability arising out of your use of the information. In addition, since the conditions of use and suitability of the product for particular uses are beyond Novartis Animal Health US, Inc.'s control, the user assumes all risks associated with the use of the product. Novartis Animal Health US, Inc. expressly disclaims any and all liability as to any results obtained by or arising from any use of this product. Use or re-transmission of the information contained herein in any other format than presented is strictly prohibited. Novartis Animal Health US, Inc. neither represents nor warrants that the format, content or product identifications contained in this document comply with the laws of any other country except the United States of America.
© Copyright 2003 Novartis Animal Health US, Inc. All rights reserved._
