

MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	VITAMIN K1 INJECTION		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.	859 254 1221
	944 Nandino Blvd.	Fax No.:	859 255 5532
	Lexington, KY 40511	e-mail:	inform@neogen.com
Date Prepared or Revised: 11/15/05			

Section II – Hazardous Ingredients / Identity Information			
Hazardous Components (Specific Chemical Identity: Common Names)	OSHA PEL (Permissible Exposure Limits)	ACGIH TLV (Threshold Limit Value)	Toxicity Data LD ₅₀
BENZYL ALCOHOL 1.5% V/V	50 ug-eye-rabbit severe irritation		1230 mg/Kg IP-Mouse

Section III – Physical Characteristics	
Boiling Point: NO DATA AVAILABLE	Specific Gravity (H ₂ O = 1): 0.984
Vapor Pressure (mm Hg.): NO DATA AVAILABLE	Melting Point: N/A
Vapor Density (AIR = 1): NO DATA AVAILABLE	Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: SOLUBLE	
Appearance and Odor: CLEAR, LIGHT-YELLOW, NON-VISCOUS LIQUID, FAINT ODOR OF BENZYL ALCOHOL	

Section IV – Fire and Explosion Hazard Data	
Flash Point (<i>Method Used</i>): NO DATA AVAILABLE	Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
Extinguishing Media: WATER SPRAY, CO ₂ , DRY CHEMICAL POWDER, FOAM	
Special Fire Fighting Procedures: WEAR FULL FACEPLATE AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS	
Unusual Fire and Explosion Hazards: NONE	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: NONE KNOWN
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): OXIDIZING AGENTS			
Hazardous Decomposition or Byproducts: CARBON MONOXIDE, CARBON DIOXIDE			
Hazardous Polymerization	May Occur		Conditions to Avoid: NONE KNOWN
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation-none	Skin-minor	Ingestion-primary
Health Hazards (Acute and Chronic)			
Carcinogenicity:	NTP-Non-carcinogenic (National Toxicology Program)	IARC Monographs (International Agency for Research in Cancer)	OSHA Regulated-Yes
Signs and Symptoms of Exposure: None known			
Medical Conditions Generally Aggravated by Exposure: None known			
Emergency / First Aid Procedures	Ingestion: INDUCE VOMITING ONLY ON THE ADVICE OF A MEDICAL PROFESSIONAL		
	Inhalation: REMOVE TO FRESH AIR, SEEK PROMPT MEDICAL ATTENTION IF IRRITATION DEVELOPS		
	Eye Contact: WASH WITH COPIOUS AMOUNTS OF WATER		
	Skin Contact: WASH WITH SOAP AND COPIOUS AMOUNTS OF WATER		

Section VII – Precautions for Safe Handling and Use	
Accidental Release Measures: SWEEP OR MOP UP RELEASED MATERIAL INTO SUITABLE CONTAINER	
Waste Disposal Method: DISPOSAL IN DRY LANDFILL IS ACCEPTABLE. ENSURE COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.	
Handling and Storing: READ AND FOLLOW ALL LABEL DIRECTIONS	
Other Precautions: FOR VETERINARY USE ONLY	

Section VIII – Control Measures		
Respiratory Protection (Specify Type): NONE REQUIRED		
Ventilation	Local Exhaust: GENERAL DILUTION OR LOCAL EXHAUST	Special:
	Mechanical (General):	Other:
Protective Gloves: RUBBER GLOVES		Eye Protection: SAFETY GOGGLES OR GLASSES
Other Protective Clothing or Equipment: NOT NECESSARY		
Work / Hygienic Practices:		

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.