

MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	THIAMINE HYDROCHLORIDE 200 mg/mL, THIAMINE HYDROCHLORIDE 500 mg/mL		
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 ug/Kg oral-rat

Section III – Physical Characteristics	
Boiling Point: NO DATA AVAILABLE	Specific Gravity (H ₂ O = 1): 1.06-1.10
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, NO 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>): ALKALIS AND ALKALINE DRUGS, OX IDIZING AND REDUCING AGENTS			
Hazardous Decomposition or Byproducts: SULFUR OXIDES AND NITROGEN OXIDES			
Hazardous Polymerization	May Occur		Conditions to Avoid: NONE KNOWN
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation-Minor	Skin-Minor	Ingestion-Primary
Health Hazards (Acute and Chronic)	None known-essential nutrient		
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 TO 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 EXHUAST	Special:
	Mechanical (General):	Other:
Protective Gloves: RUBBER GLOVES		Eye Protection: SAFETY GOGGLES OR GLASSES
Other Protective Clothing or Equipment: NOT NECESSARY		
Work / Hygienic Practices:		

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