

## MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	VITAMIN E with SELENIUM POWDER		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.:	859 254 1221
	944 Nandino Blvd.	Fax No.:	859 255 5532
	Lexington, KY 40511	e-mail:	<a href="mailto:inform@neogen.com">inform@neogen.com</a>
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 <sub>50</sub>
This is a non-hazardous product: Active ingredients:			
dl- $\alpha$ -Tocopheryl Acetate 1250 IU/oz CAS 7695-91-2	None	None	Oral-Rat >4000 mg/kg I.P.-Rat 840 mg/kg
Sodium Selenite 500 $\mu$ g/oz Selenium CAS 10102-18-8	0.2 mg/m <sup>3</sup> as Se	0.2 mg/m <sup>3</sup> as Se	Oral-Rat 7 mg/kg

Section III – Physical Characteristics	
Boiling Point: N/A	Specific Gravity (H <sub>2</sub> O = 1): N/A
Vapor Pressure (mm Hg.): N/A	Melting Point: N/A
Vapor Density (AIR = 1): N/A	Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: Insoluble	
Appearance and Odor: Light yellow powder, Vitamin A odor.	

Section IV – Fire and Explosion Hazard Data	
Flash Point ( <i>Method Used</i> ): N/A	Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
Extinguishing Media: Water spray, CO <sub>2</sub> , dry chemical powder, foam.	
Special Fire Fighting Procedures: Wear full faceplate and NIOSH-approved self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: Avoid breathing dust or combustion fumes.	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: None known
	Stable	X	
Incompatibility ( <i>Materials to Avoid</i> ): Sodium thiosulfate, sodium bisulfite will reduce sodium selenite to selenium			
Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, sodium selenite dust			
Hazardous Polymerization	May Occur		Conditions to Avoid: None known
	Will Not Occur	X	

<b>Section VI – Health Hazard Data</b>			
Route(s) of Entry:	Inhalation-Avoid dust	Skin-Minor	Ingestion-Most likely route of entry.
Health Hazards (Acute and Chronic)	Not considered hazardous. There are no hazardous ingredients present in this product greater than 1%.		
Carcinogenicity: (National Toxicology Program)	NTP-Not listed	IARC Monographs-Not listed (International Agency for Research in Cancer)	OSHA Regulated-Yes, as nuisance dust source.
Signs and Symptoms of Exposure: Prolonged exposure may cause eye, skin or respiratory irritation.			
Medical Conditions Generally Aggravated by Exposure: Considered non-hazardous and non-toxic.			
Emergency / First Aid Procedures	Ingestion: Get medical attention if victim feels unwell. Sodium thiosulfate will reduce sodium selenite to metallic selenium.		
	Inhalation: Remove to fresh air, seek medical attention if irritation develops or persists.		
	Eye Contact: Wash with copious amounts of water, holding eyelids open. Remove contact lenses.		
	Skin Contact: Wash with soap and water.		

<b>Section VII – Precautions for Safe Handling and Use</b>
Accidental Release Measures: Sweep or mop up spilled material and dispose of in 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.

<b>Section VIII – Control Measures</b>		
Respiratory Protection (Specify Type): Dust mask		
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: Eyewash		
Work / Hygienic Practices: Normal work and 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.