

MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	THYROKARE™ POWDER (Levothyroxine Sodium)		
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: 11/14/05			

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
This is a non-hazardous product which contains no hazardous ingredients;			
Non-hazardous active ingredient:			
Levothyroxine Sodium CAS 6106-07-6	Not established	Not established	No data available

Section III – Physical Characteristics	
Boiling Point: N/A	Specific Gravity (H ₂ 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: Slightly soluble ¹	
Appearance and Odor: White to cream-colored odorless powder.	

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 ₂ , dry chemical powder, foam.	
Special Fire Fighting Procedures: Wear NIOSH-approved breathing apparatus	
Unusual Fire and Explosion Hazards: When heated to decomposition, toxic iodine fumes may be emitted.	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: Strong oxidizers
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): Strong oxidizers			
Hazardous Decomposition or Byproducts: CO, CO ₂ , Nitrous oxides, iodine vapors			
Hazardous Polymerization	May Occur		Conditions to Avoid: Strong oxidizers
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation-may cause irritation of respiratory tract.	Skin-May cause skin irritation	Ingestion-may cause hyperthyroidism
Health Hazards (Acute and Chronic)	Not considered hazardous		
Carcinogenicity: (National Toxicology Program)	NTP-Not listed	IARC Monographs-Not listed (International Agency for Research in Cancer)	OSHA Regulated-Yes Powder
Signs and Symptoms of Exposure: Prolonged contact may cause eye, skin or respiratory irritation			
Medical Conditions Generally Aggravated by Exposure: Hyperthyroidism			
Emergency / First Aid Procedures	Ingestion: Have conscious person drink several glasses of milk or water. Induce vomiting by sticking finger in throat. Never give unconscious person anything to ingest. Seek prompt medical attention.		
	Inhalation: Remove to fresh air, seek prompt medical attention if irritation develops.		
	Eye Contact: Wash with copious amounts of water for 15 minutes, holding eyelids open. Remove contact lenses.		
	Skin Contact: Wash with soap and water.		

Section VII – Precautions for Safe Handling and Use
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

Section VIII – Control Measures	
Respiratory Protection (Specify Type): NIOSH-approved respirator	
Ventilation	Local Exhaust: General dilution or local exhaust
	Mechanical (General):
Protective Gloves: Rubber gloves	Special: Other:
Other Protective Clothing or Equipment: Eyewash	Eye Protection: Safety goggles or glasses
Work / Hygienic Practices: Normal work and hygienic practices.	

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