

MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	IODIDE 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:	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 Lethal Dose LD
The ingredients in this product are not considered hazardous.			
Non-hazardous active ingredient:			
Ethylenediamine Dihydriodide CAS 5700-49-2, 10 mg/30 g	N/A	N/A	N/A
Compounded in a dextrose base.			

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): Not volatile
Solubility in Water: Soluble	
Appearance and Odor: White powder with slight characteristic 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: Iodide powder is not flammable. Use extinguishing agents appropriate to other aspects of the fire such as carbon dioxide, dry chemical, water spray, or foam to put out the surrounding fire.	
Special Fire Fighting Procedures: While this product is not flammable, toxic iodine vapors may be liberated during a fire.	
Unusual Fire and Explosion Hazards: Iodine vapors may be liberated during a fire.	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: Strong oxidizing agents.
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): Strong oxidizing agents			
Hazardous Decomposition or Byproducts: Thermal oxidative degradation of iodide powder can produce toxic iodine vapors.			
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation-No significant signs or symptoms indicative of any adverse health hazard.	Skin, eyes-May cause mild irritation	Ingestion-No significant signs or symptoms indicative of any adverse health hazard.
Health Hazards (Acute and Chronic)	None known		
Carcinogenicity:	NTP-Not listed (National Toxicology Program)	IARC Monographs-Not listed (International Agency for Research in Cancer)	OSHA Regulated-Yes
Signs and Symptoms of Exposure: Dust may be irritating to the respiratory tract. Eye and skin contact may cause mild irritation. Some individuals are susceptible to an allergic response following exposure to iodides.			
Medical Conditions Generally Aggravated by Exposure: None known			
Emergency / First Aid Procedures	Ingestion: Drink a large amount of water to dilute the salt. Seek medical attention.		
	Inhalation: Remove exposed person to fresh air and seek medical attention.		
	Eye Contact: Flush eyes including eyelids thoroughly with fresh water for at least 15 minutes. Seek medical attention if irritation persists.		
	Skin Contact: Wash thoroughly with soap and copious amounts of water.		

Section VII – Precautions for Safe Handling and Use
Accidental Release Measures: Do not create dusty conditions during clean up operations and prevent prolonged or repeated skin contact and dust/powder inhalation. Sweep up the solid powder, place in a closed container and dispose of by an approved method.
Waste Disposal Method: Refer to local, state and Federal regulations regarding the disposal of waste materials.
Handling and Storing: Store in a cool, dark place. Do not expose to direct sunlight.
Other Precautions:

Section VIII – Control Measures		
Respiratory Protection (Specify Type): Wear NIOSH/MSHA Approved respirator dust mask.		
Ventilation	Local Exhaust: Adequate	Special:
	Mechanical (General):	Other:
Protective Gloves: Rubber or plastic gloves	Eye Protection: Chemical safety glasses or goggles	
Other Protective Clothing or Equipment: None required		
Work / Hygienic Practices: Normal workplace industrial 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.