



Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard. 29 CFR 1910.1200 Standard must be consulted for specific requirements.

IDENTITY (As Used on Label and List) InstaStain® Ethidium Bromide		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
Section I		Emergency Telephone Number (301) 251-5990	
Manufacturer's Name InstaStain, Inc. P.O. Box 1232 West Bethesda, MD 20827		Telephone Number for information (301) 251-5990	
		Date Prepared 10/05/06	
		Signature of Preparer (optional)	
Section II - Hazardous Ingredients/Identify Information			
Hazardous Components [Specific Chemical Identity; Common Name(s)]	OSHA PEL	ACGIH TLV	Other Limits Recommended % (Optional)
Ethidium Bromide			Data not available
(2,7-Diamino-10-Ethyl-9-Phenylphenanthridinium Bromide)			
CAS# 139-33-3			
Section III - Physical/Chemical Characteristics			
Boiling Point	No data	Specific Gravity (H ₂ O = 1)	No data
Vapor Pressure (mm Hg.)	No data	Melting Point	No data
Vapor Density (AIR = 1)	No data	Evaporation Rate (Butyl Acetate = 1)	No data
Solubility in Water Soluble			
Appearance and Odor Chemical bound to paper, no odor			
Section IV - Physical/Chemical Characteristics N.D. = No data			
Flash Point (Method Used)	No data	Flammable Limits	LEL N.D. UEL N.D.
Extinguishing Media Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam			
Special Fire Fighting Procedures Wear protective clothing and SCBA to prevent contact with skin & eyes			
Unusual Fire and Explosion Hazards Emits toxic fumes			

Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	X	None
Incompatibility Strong oxidizing agents			
Hazardous Decomposition or Byproducts Carbon monoxide, Carbon dioxide, nitrogen oxides, hydrogen bromide gas			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	None
Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic) Chronic: May alter genetic material Acute: Material irritating to mucous membranes, upper respiratory tract, eyes, skin			
Carcinogenicity: No data available NTP?		IARC Monographs?	OSHA Regulation?
Signs and Symptoms of Exposure Irritation to mucous membranes and upper respiratory tract			
Medical Conditions Generally Aggravated by Exposure No data			
Emergency First Aid Procedures Treat symptomatically and supportively			

Section VII - Precautions for Safe Handling and Use			
Steps to be Taken in case Material is Released for Spilled Wear SCBA, rubber boots, rubber gloves			
Waste Disposal Method Mix material with combustible solvent and burn in a chemical incinerator equipped afterburner and scrubber			
Precautions to be Taken in Handling and Storing Use in chemical fume hood with proper protective lab gear.			
Other Precautions Mutagen			
Section VIII - Control Measures			
Respiratory Protection (Specify Type) SCBA			
Ventilation	Local Exhaust Yes	Special Chem. fume hood	
	Mechanical (General) No	Other None	
Protective Gloves Rubber		Eye Protection Chem. safety goggles	
Other Protective Clothing or Equipment Rubber boots			
Work/Hygienic Practices Use in chemical fume hood with proper protective lab gear.			

Full size (8.5 x 11") pdf copy of MSDS available at www.edvotek.com or by request.

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