



MATERIAL SAFETY DATA SHEET
Part # SURAS01, Cole-Parmer #27503-35, 35803-35

Section I: General Information

Product Name: 0.05M Hyamine Standard
Manufacturer's Name: Van London pHOenix Company
Distributed By: Cole-Parmer Instrument Co.
Address: 625 East Bunker Court, Vernon Hills, IL 60061-1844
Phone: 847-327-2000 Fax: 847-327-2700

Chemical Name: Hyamine 1622 (quartenary ammonium compound) in water
Chemical Family: Salt solution
DOT Shipping Info: N/A
IATA Shipping Info: N/A

Section II: Ingredients

CAS No.	%	Chemical Name	LD50 (mg/kg) oral-rat	OSHA/PEL ACGIH TLV
121-54-0	2.2%	Hyamine 1622	420	None
7732-18-5	97.8%	Water	---	None

Section III: Physical Data

Boiling Point: 100°C
Specific Gravity: 1.0
Vapor Pressure: N/A
Freezing Point: 0°C
Vapor Density: N/A
pH: N/A
Water Solubility: Soluble
Appearance & Odor: Colorless, odorless liquid

Section IV: Fire & Explosion Hazard Data

Flashpoint: Not Flammable

Auto ignition Temperature:	N/A
Extinguishing Media:	Any
Special Fire Fighting Procedures:	Self Contained Breathing Apparatus should be worn.
Unusual Fire & Explosion Hazards:	N/A

Section V: Health Hazard Data

Effects of Overexposure:	Redness and swelling of skin tissue.
Emergency & First Aid:	Wash off affected area with water for 15 minutes. Consult physician.
Eyes & Skin:	Flush with water for 15 minutes. Consult physician.
Ingestion/Inhalation:	Ingestion-give large quantities of water in conscious patient and consult physician. Inhalation-low hazard because of low concentration of active ingredient.

Section VI: Reactivity Data

Stable:	Yes
Conditions to Avoid:	None
Incompatibility:	Strong oxidizers or reducing agents.
Hazardous Decomposition Products:	Oxides of carbon, nitrogen and hydrogen chloride during fires.
Hazardous Polymerization:	Will not occur.

Section VII: Spill or Leak Procedures

Steps to be Taken:	Contain spill with inert material (sand, earth, etc.) and transfer to containers for disposal.
Waste Disposal Method:	Incinerate or landfill according to all federal, state, and local laws.

Section VIII: Special Protection Information

Respiratory Protection:	N/A
Ventilation:	N/A
Protective Gloves:	Vinyl or rubber
Eye Protection:	Safety goggles
Other Protective Equipment:	Eye wash must be available.

Section IX: Special Precautions

Precautions to be taken	Store away from oxidizers and reducing agents.
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in Handling & Storage:

Other Precautions: Keep container sealed to protect product integrity.

Issue Date: March 23, 2010

Name: Peter F. Boyle, Quality Control Manager

Signature:

A handwritten signature in cursive script that reads "Peter Boyle". The signature is written in black ink and is positioned below the "Signature:" label.