

## MATERIAL SAFETY DATA SHEET

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### Section I: IDENTIFICATION

*Product Name:* **Hematoxylin, Gill 1x, 2x, 3x**

*Date Prepared:* 02/16/06

*Item Number(s):* 400615, 400617, 400618, 400619

*Emergency Phone, Infotrac:* 800-535-5053

### Section II: COMPOSITION

<i>Component(s):</i>		<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>	<i>NFPA</i>
Hematoxylin	<1%	517-28-2	NA	<b>Health</b> 1
Ethylene Glycol	~25%	109-86-4	25 ppm 5/NR	<b>Flammability</b> 0
Sodium Iodate	<1%	7631-55-2	NA	<b>Reactivity</b> 0
Aluminum Sulfate	~5%	7734-31-8	NA	
Citric Acid	<1%	77-92-9	NA	

### Section III: PHYSICAL DATA

<i>Boiling Point:</i>	221°F	<i>Specific Gravity (H<sub>2</sub>O = 1):</i>	~1
<i>Vapor Pressure mm Hg/20 °C:</i>	NE	<i>Percent Volatile by Vol:</i>	NA
<i>Vapor Density (Air 1:1):</i>	NE	<i>Evaporation Rate (ether = 1):</i>	>1
<i>Solubility in H<sub>2</sub>O:</i>	Complete	<i>Appearance &amp; Odor:</i>	Maroon liquid, odorless

### Section IV: FIRE/EXPLOSION HAZARD

*Flash Point:* Non-Flammable      *Flammable Limits:* LEL: NA      UEL: NA

*Extinguishing Media:* Water spray, dry chemical, CO<sub>2</sub> and foam

*Special Fire Fighting Procedures:* Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

*Unusual Fire & Explosion Hazards:* None known

### Section V: REACTIVITY

*Stability:* Stable      *Material to Avoid:* Reducing agents, metals, most powdered metals and strong acids

*Hazardous Decomposition or Byproducts:* Oxides of carbon, sulfur and nitrogen

*Hazardous Polymerization:* Does not occur      *Conditions to Avoid:* Normal laboratory care

### Section VI: HEALTH HAZARDS

*Routes of Entry:* Inhalation, Skin and Ingestion      *Target Organs:* Kidneys, nervous system and liver

*Acute/Chronic:* Product is not expected to cause health hazards when utilizing good laboratory practices.

*Carcinogenicity:* Not classified as a human carcinogen.

*Signs/Symptoms of Exposure:* Vision blurring, drowsiness, headache, respiratory irritation and allergic reaction

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### Section VI: HEALTH HAZARDS

*Emergency First Aid:*

**Skin:** Remove contaminated clothing. Wash affected area with soap and water.

**Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persist.

**Ingestion:** Rinse mouth thoroughly with water, provided person is conscious and contact a physician.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

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### Section VII: SAFE HANDLING

*Chemical Release or Spill:* Isolate the spill area with sand, or other absorbent material. Place all contaminated material in closed container for proper disposal.

*Waste Disposal Method:* All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

*Precautions for Handling and Storing:* Normal Laboratory Care

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### Section VIII: CONTROL MEASURES

*Respiratory Protection:* Not normally required.

*Ventilation:* Mechanical or General exhaust is sufficient

*Protective Gloves:* Chemical resistant      *Eye Protection:* Safety glasses

*Other Protective Clothing or Equipment:* Normal laboratory apparel suggested by Good Laboratory Practices

*Work/Hygienic Practices:* Wash thoroughly with soap and water after handling.

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The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. HealthLink shall not be held liable for any damage resulting from handling or contact with this product.

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