

MATERIAL SAFETY DATA SHEET

Section I: IDENTIFICATION

Product Name: **HEMATOXYLIN, Gill 2x**

Date Prepared: 06/01

Item Number(s): 7014, 7015

Emergency Phone: 800-424-9300

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 | Health | 1 |
| Ethylene Glycol | ~25% | 109-86-4 | 25 ppm | Flammability | 0 |
| Sodium Iodate | <1% | 7631-55-2 | NA | Reactivity | 0 |
| Aluminum Sulfate | <4% | 7734-31-8 | NA | | |
| Citric Acid | <1% | 77-92-9 | NA | | |

Section III: PHYSICAL DATA

| | | | |
|--------------------------------------|----------|---|-------------------------|
| <i>Boiling Point:</i> | 221°F | <i>Specific Gravity (H₂O = 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 H₂O:</i> | Complete | <i>Appearance & 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, CO₂ 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 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.

Section VII: SAFE HANDLING

Chemical Release or Spill: Isolate the spill area with sand, or other absorbent material. Place all contaminated material in close 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

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.

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