

MATERIAL SAFETY DATA SHEET

1 OF 2

Section I: IDENTIFICATION

Product Name: Aqua Bluing Reagent

Date Prepared: 10/00

Item Number(s): 3357

Emergency Phone: 800-441-0366

Section II: NON-HAZARDOUS INGREDIENTS

| <i>Component(s):</i> | <i>CAS Number</i> | <i>OHSA PEL, ACGIH TLV/STEL</i> | <i>NFPA</i> | |
|------------------------|-------------------|---------------------------------|--------------|---|
| Magnesium Sulfate 2% | 100034-99-8 | NA | Health | 0 |
| Sodium Bicarbonate <1% | 144-55-8 | NA | Flammability | 0 |
| | | | Reactivity | 0 |

Section III: PHYSICAL DATA

| | | | |
|--------------------------------------|----------|---|------------------------|
| <i>Boiling Point:</i> | 212°F | <i>Specific Gravity (H₂O = 1):</i> | 1 |
| <i>Vapor Pressure mm Hg/20°C:</i> | 96 | <i>Percent Volatile by Vol:</i> | 91% |
| <i>Vapor Density (Air 1:1):</i> | 1.11 | <i>Evaporation Rate (ether = 1):</i> | >1 |
| <i>Solubility in H₂O:</i> | Complete | <i>Appearance & Odor:</i> | Clear Liquid, Odorless |

Section IV: FIRE/EXPLOSION HAZARD

Flash Point: NA *Flammable Limits:* NA UEL NA

Extinguishing Media: Water Spray, Dry Chemical and CO₂

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: May emit toxic fumes under fire conditions.

Section V: REACTIVITY

Stability: Stable *Material to Avoid:* Strong oxidizers, chromic anhydride, perchloric acids etc.

Hazardous Decomposition or Byproducts: Oxides of carbon

Hazardous Polymerization: Does not occur *Conditions to Avoid:* Normal precautions

Section VI: HEALTH HAZARDS

Routes of Entry: Inhalation, Skin and Ingestion

Acute: NA.

Chronic: NA

Carcinogenicity: Not classified as a human carcinogen.

Signs/Symptoms of Exposure: NA

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Aqua Bluing Reagent, 2 of 2

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, provide 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 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 precautions

Section VIII: CONTROL MEASURES

Respiratory Protection: Not normally required. If used in a poorly ventilated area use under an approved fume hood or NIOSH approved respirator.

Ventilation: Mechanical 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.
