

MSDS**Material Safety Data Sheet**

24 HOUR EMERGENCY
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Reticulocyte Stain

Section I: IDENTIFICATION

Product Name: **Reticulocyte Stain**
Azer Scientific Product Number(s): **ES924**
Synonym: **New Methylene Blue N**
 (Brecher Formula)

Section II: HAZARDOUS INGREDIENTS

| <i>Non-Hazardous Component(s):</i> | <i>CAS Number</i> | <i>OHSA PEL, ACGIH TLV/STEL</i> | <i>NFPA</i> | |
|------------------------------------|-------------------|---------------------------------|--------------|---|
| New Methylene Blue N <1% | 6586-05-6 | NA | Health | 0 |
| Potassium Oxalate <2% | 6487-48-5 | NA | Flammability | 0 |
| | | | Reactivity | 0 |

Section III: PHYSICAL DATA

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| <i>Boiling Point:</i> | 100°C | <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> | Blue 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: May give-off toxic fumes under fire conditions.

Section V: REACTIVITY

Stability: Stable

Material to Avoid: Strong oxidizers

Hazardous Decomposition or Byproducts: Oxides of carbon, halogenated compounds and metallic oxides

Hazardous Polymerization: Does not occur

Conditions to Avoid: Excessive heat

Section VI: HEALTH HAZARDS

Routes of Entry: Inhalation, Skin and Ingestion; Dust is toxic to lungs and mucous membranes

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

Carcinogenicity: Not classified as a human carcinogen.

Signs/Symptoms of Exposure: Headache, eye, skin and respiratory irritation.

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 persists.

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 closed 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 Care

Section VIII: CONTROL MEASURES

Respiratory Protection: Not normally required.

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.

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