

## MATERIAL SAFETY DATA SHEET

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### Section I: IDENTIFICATION

*Product Name:* New Methylene Blue N  
(Brecher Formula)

*Date Prepared:* 02/02  
*Item Number(s):* 5551, 5552, 5553  
*Emergency Phone:* 800-424-9300

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### 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

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### Section III: PHYSICAL DATA

*Boiling Point:* 100°C      *Specific Gravity (H<sub>2</sub>O = 1):* 1  
*Vapor Pressure mm Hg/20°C:* NE      *Percent Volatile by Vol:* NA  
*Vapor Density (Air 1:1):* NE      *Evaporation Rate (ether = 1):* >1  
*Solubility in H<sub>2</sub>O:* Complete      *Appearance & Odor:* Blue liquid/odorless

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### 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:* May give-off toxic fumes under fire conditions.

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### 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

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### 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.

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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 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 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. Astraldiagnosics shall not be held liable for any damage resulting from handling or contact with this product.

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