



## MATERIAL SAFETY DATA SHEET

### Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Cyano-Blue  
Common Name: Fluorescent Dye Solution  
Supplier: Lightning Powder Company, Inc.  
13386 International Parkway, Jacksonville, FL 32218  
Emergency Telephone: CHEM-TEL, INC. 1-800-255-3924 or 813-248-0585 (call collect)  
Date Prepared: October 29, 2003

### Section 2 – HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS#</u>	<u>Percent</u>	<u>PEL (OSHA)</u>	<u>TLV (ACGIH)</u>
Trade Secret		30-35	Undetermined	Undetermined

### Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Clear, pale yellow liquid with mild odor.  
Specific Gravity: .0995 Solubility in Water: Miscible, with cloudiness  
Boiling Point: 212F, Melting Point: Not determined  
Vapor Density: Heavier than air  
Vapor Pressure (mmHg): Not determined  
Evaporation Rate: Not determined Percent Volatile:74.85

### Section 4 – FIRE AND EXPLOSION DATA

Flash Point: >100 C UEL: Not determined LEL: Not determined  
Extinguishing Media: CO2, dry chemical, foam, water spray or fog.  
Firefighting Procedures: Wear proper protection. Avoid inhalation of vapors.  
Unusual Fire and Explosion Hazards: Heat from fire may liberate combustible vapors.



## **Section 5 – REACTIVITY DATA**

Stability: Yes                      Hazardous Polymerization: No  
Incompatibilities: Strong oxidizing agents, strong acids, acid chlorides.  
Hazardous Decomposition Products: Incomplete combustion may produce carbon monoxide and other toxic gases.

## **Section 6 – HEALTH HAZARD INFORMATION**

Health Hazards: Possible skin, eye, respiratory irritant. Harmful if ingested..  
Routes of Entry and First-Aid Procedures:  
Eyes: Rinse with water for 20-30 minutes while retracting eyelids occasionally. Seek medical attention.  
Inhalation: Remove to fresh air. Give oxygen if necessary.  
Skin: Wash skin with mild soap and water.  
Ingestion: Give lukewarm water. Do not induce vomiting. Seek medical attention if symptoms develop and persist.  
Signs and Symptoms of Exposure: Overexposure may cause irritation, nausea, dizziness, headache.  
Medical Conditions Aggravated by Exposure: Pre-existing kidney or liver disorders..

## **Section 7 – EXPOSURE CONTROLS**

Respirator Protection: Use vapor mask if generation of mists or high vapor levels are probable..  
Ventilation: Non-sparking exhaust ventilation.  
Protective Gloves: Chemical-resistant rubber.                      Eye Protection: Splash goggles or face shield if spraying liquid can produce eye contact.  
Other Protective Equipment: Eye wash station.  
Work and Hygienic Practices: Wash hands before eating, drinking, smoking, or using toilet facilities.

## **Section 8 – SPILL OR LEAK PROCEDURES**

Steps to be taken if material is spilled or released: Prevent run-off from entering drains and sewers. Take up with inert solids and place into suitable disposal container.  
Waste Disposal Method: In accordance with all local and regional regulations.

## **Section 9 – PRECAUTIONS FOR SAFE HANDLING AND USE**

Special Precautions: Use with adequate ventilation..  
Storage Method: Keep well-sealed in a cool location away from incompatibilites.



## **Section 10 – TOXICOLOGICAL DATA**

Carcinogenicity: Not carcinogenic in rats by oral, subcutaneous injection, or dermal administration, nor teratogenic in limited tests in rats.

NPT: No

OSHA: No

IARC: No

Acute Inhalation LC50: No data available.

Acute Dermal LD50: Rat: 18,000 mg kg<sup>-1</sup>.

Acute Oral LD50: Rat: 19,500 mg kg<sup>-1</sup>.

## **Section 11 – ECOLOGICAL DATA**

Data not yet available.

## **Section 12 – TRANSPORTATION IDENTIFICATION**

Proper Shipping Name: Not regulated

Identification Number: n/a

Hazard Class: n/a

Packing Group: n/a