



## MATERIAL SAFETY DATA SHEET

### Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Rhodamine 6G Fluorescent Dye  
Common Name: Basic Red 1, or Rhodamine 6G  
Supplier: Lightning Powder Company, Inc.  
13386 International Parkway, Jacksonville, FL 32218  
Emergency Telephone: Chemtel® United States (800) 255-3924 International – 813-248-0585 (Collect)  
Date Prepared: October 31, 2002

### Section 2 – HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS#</u>	<u>Percent</u>	<u>PEL (OSHA)</u>	<u>TLV (ACGIH)</u>
Rhodamine 6G	989-38-8	100	Undetermined	Undetermined

### Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Brownish-red, odorless powder.  
Specific Gravity: 1.26 Stability in Water: Partially soluble  
Boiling Point: n/a Melting Point: n/a  
Vapor Density: n/a Vapor Pressure (mmHg): n/a  
Evaporation Rate: n/a Percent Volatile: n/a

### Section 4 – FIRE AND EXPLOSION DATA

Flash Point: n/a UEL: n/a LEL: n/a  
Extinguishing Media: Dry chemical powder.  
Firefighting Procedures: Do not use water jet.  
Unusual Fire and Explosion Hazards: May be combustible at high temperatures.

### Section 5 – REACTIVITY DATA

Stability: Yes Hazardous Polymerization: No  
Incompatibilities: Oxidizing agents.  
Hazardous Decomposition Products: Oxides of carbon and nitrogen.



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

Health Hazards: Very hazardous in case of ingestion. May cause skin, eye, and respiratory irritation.

Routes of Entry and First-Aid Procedures:

Eyes: Rinse eyes for at least 15 minutes using cold water.

Inhalation: Allow victim to rest in a well ventilated area. Seek medical attention.

Skin: Rinse with plenty of water and mild soap. Use an emollient for irritation.

Ingestion: Do not induce vomiting. Seek medical attention. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested.

Signs and Symptoms of Exposure: Local irritation or discomfort.

Medical Conditions Aggravated by Exposure: No data available.

## **Section 7 – EXPOSURE CONTROLS**

Respirator Protection: NIOSH approved dust respirator.

Ventilation: Local exhaust ventilation.

Protective Gloves: Impervious rubber goggles.

Eye Protection: Splash

Other Protective Equipment: Lab coat

Work and Hygienic Practices: Typical laboratory practice.

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

Steps to be taken if material is spilled or released: Use appropriate tools to put the material into a waste disposal container. Spread water on contaminated area and allow to drain to sanitary system.

Waste Disposal Method: According to local and regional authority requirements.

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

Special Precautions: Keep away from heat and sources of ignition. Empty containers pose a fire risk. Avoid breathing dust. Do not ingest.

Storage Method: Keep container dry. Keep in a cool place. Ground all storage equipment.

## **Section 10 – TOXICOLOGICAL DATA**

Carcinogenicity:

NPT: No

OSHA: No

IARC: No

Acute Inhalation LC50: No data available

Acute Dermal LD50: No data available

Acute Oral LD50: 400 mg/kg (rat)



**Section 11 – ECOLOGICAL DATA**

No data available.

**Section 12 – TRANSPORTATION IDENTIFICATION**

Proper Shipping Name: Not a DOT controlled material.

Identification Number: n/a

Hazard Class: n/a

Packing Group: n/a