



MATERIAL SAFETY DATA SHEET

Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Basic Red 28 Fluorescent Dye
Common Name: Basic Red 28
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: May 9, 2006

Section 2 – HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS#</u>	<u>Percent</u>	<u>PEL (OSHA)</u>	<u>TLV (ACGIH)</u>
Basic Red 28	72828-91-2	90-100	Undetermined	Undetermined

Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Red solid with no odor
Specific Gravity: 1.9-2.5 Stability in Water: < 0.1% solubility
Boiling Point: n/a Melting Point: 120 deg. C
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: Unavailable UEL: Unavailable LEL: Unavailable
Extinguishing Media: Water mist, foam, dry chemical powder, CO2
Firefighting Procedures: Wear self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: May cause dust explosions.

Section 5 – REACTIVITY DATA

Stability: Yes Hazardous Polymerization: No
Incompatibilities: Strong oxidizers.
Hazardous Decomposition Products: Oxides of carbon, nitrogen, sulfur.



Section 6 – HEALTH HAZARD INFORMATION

Health Hazards: Risk of serious damage to the eyes.

Routes of Entry and First-Aid Procedures:

Eyes: Irrigate eyes with lids held open . Get immediate medical attention.

Inhalation: Remove patient to fresh air if breathing is difficult.

Skin: Cleans with water and non-irritating soap.

Ingestion: Give patient plenty of water and induce vomiting. Seek medical help for discomfort or symptoms.

Signs and Symptoms of Exposure: Irritation at route of entry or point of exposure.

Medical Conditions Aggravated by Exposure: Pre-existing eye disorders.

Section 7 – EXPOSURE CONTROLS

Respirator Protection: NIOSH approved dust mask.

Ventilation: As needed to control nuisance levels of dust.

Protective Gloves: Rubber Eye Protection: Closely fitting goggles.

Other Protective Equipment: Eyes wash station if exposure is probable.

Work and Hygienic Practices: Usual precautionary measures for chemicals.

Section 8 – SPILL OR LEAK PROCEDURES

Steps to be taken if material is spilled or released: Wear protection and take up dry into disposal container. Do not allow to enter any sewer or water stream.

Waste Disposal Method: Do not place into drains. Consult local agencies. Recycle if possible for reuse. Soiled containers are to be treated in the same way as the contents.

Section 9 – PRECAUTIONS FOR SAFE HANDLING AND USE

Special Precautions: Observe the usual precautionary measures for chemicals having dust-explosive properties.

Storage Method: Keep container tightly closed and dry.

Section 10 – TOXICOLOGICAL DATA

Carcinogenicity: No data available.

NPT: Not listed

OSHA: Not Listed

IARC: Not listed

Acute Inhalation LC50: No data

Acute Dermal LD50: No data

Acute Oral LD50: > 5000 mg/kg (rat)



Section 11 – ECOLOGICAL DATA

Biological elimination: 10%

COD Value: 2180 mg/g

TOC Value: 670 mg/g

Fish (*Leucisus indus*) toxicity: 0.1-1 mg/l, 72 hrs. Considered very toxic to aquatic life.

No inhibition of waste water bacteria (*Pseudomonas fluorescens*) at 500 mg/l

This product does not release heavy metals in concentration affecting waste water, does not release nitrogen which can contribute to autrophication, does not contain phosphates or organophosphorous compounds.

Section 12 – TRANSPORTATION IDENTIFICATION

Proper Shipping Name: Methine-Dyestuff

Identification Number: UN 3077 Hazard Class: 9

Packing Group: III