



MATERIAL SAFETY DATA SHEET

Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Physical Developer Solution B
Common Name: Redox Solution
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: November 8, 2002

Section 2 – HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS#</u>	<u>Percent</u>	<u>PEL (OSHA)</u>	<u>TLV (ACGIH)</u>
Ferric Nitrate	104231-48-4	Not listed	1 mg/m ³	1 mg/m ³
Ammonium Ferrous Sulfate	7783-85-4	Not listed	1 mg/m ³	1mg/m ³
Citric Acid	77-92-9	Not listed	Not listed	Not listed

Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Brownish yellow liquid with negligible odor.
Specific Gravity: > 1 Stability in Water: Complete solubility
Boiling Point: Unavailable Melting Point: Unavailable
Vapor Density: Unavailable Vapor Pressure (mmHg): Unavailable
Evaporation Rate: Unavailable Percent Volatile: 83.3

Section 4 – FIRE AND EXPLOSION DATA

Flash Point: n/a UEL: n/a LEL: n/a
Extinguishing Media: CO₂, foam, water, dry chemicals
Firefighting Procedures: Wear SCBA and protective clothing.
Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions.



Section 10 – TOXICOLOGICAL DATA

Carcinogenicity:

NPT: No

OSHA: No

IARC: No

Acute Inhalation LC50: No data

Acute Dermal LD50: No data

Acute Oral LD50: 3250 mg/kg (rat)

Section 11 – ECOLOGICAL DATA

The ecological effects of this product have not been tested.

Section 12 – TRANSPORTATION IDENTIFICATION

Proper Shipping Name: Nitrates, Inorganic, Aqueous Solution, N.O.S.

Identification Number: UN3218

Hazard Class: 5.1

Packing Group: III