



MATERIAL SAFETY DATA SHEET

Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Physical Developer Solution A
Common Name: Silver Nitrate 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>
Silver Nitrate	7761-88-8	20	0.01 mg/m ³	Not available

Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Clear, colorless, odorless liquid.
Specific Gravity: 1.08 Stability in Water: Complete solubility
Boiling Point: 100 deg. C Melting Point: 0 deg. C
Vapor Density: 0.62 Vapor Pressure (mmHg): 17.535
Evaporation Rate: Unavailable Percent Volatile: 80

Section 4 – FIRE AND EXPLOSION DATA

Flash Point: None UEL: n/a LEL: n/a
Extinguishing Media: n/a
Firefighting Procedures: n/a
Unusual Fire and Explosion Hazards: n/a



Section 9 – PRECAUTIONS FOR SAFE HANDLING AND USE

Special Precautions: Do not ingest.

Storage Method: Store away from light because product is photosensitive. Keep containers tightly closed.

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: 1173 mg/kg (rat), 50 mg/kg (mouse)

Section 11 – ECOLOGICAL DATA

No specific information available.

Section 12 – TRANSPORTATION IDENTIFICATION

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

Identification Number: UN3218

Hazard Class: 5.1

Packing Group: III