



MATERIAL SAFETY DATA SHEET

Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Ninhydrin Crystals
Common Name: Ninhydrin
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 7, 2002

Section 2 – HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS#</u>	<u>Percent</u>	<u>PEL (OSHA)</u>	<u>TLV (ACGIH)</u>
Ninhydrin	485-47-2	100	Undetermined	Undetermined

Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Pale yellow powder with slight odor.
Specific Gravity: Unavailable Stability in Water: Soluble in cold water.
Boiling Point: n/a Melting Point: Decomposes
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: Not available UEL: Not available LEL: Not available
Extinguishing Media: Dry chemical powder, water spray, fog or foam.
Firefighting Procedures: Do not use water jet on large fires. Wear SCBA.
Unusual Fire and Explosion Hazards: No data available.

Section 5 – REACTIVITY DATA

Stability: Yes Hazardous Polymerization: No
Incompatibilities: No data available.
Hazardous Decomposition Products: CO_x from thermal decomposition.



Section 6 – HEALTH HAZARD INFORMATION

Health Hazards: Very hazardous if ingested. May react with skin.

Routes of Entry and First-Aid Procedures:

Eyes: Flush with water while holding eyelids open. Call a physician.

Inhalation: Allow victim to rest in a well ventilated area and seek immediate medical attention.

Skin: Wash with plenty of soap and water. Temporary discoloration may result.

Ingestion: Seek immediate medical attention. Do not induce vomiting.

Signs and Symptoms of Exposure: Purple discoloration of skin, local irritation.

Medical Conditions Aggravated by Exposure: None known.

Section 7 – EXPOSURE CONTROLS

Respirator Protection: NIOSH approved dust respirator.

Ventilation: Use process enclosures, local exhaust ventilation.

Protective Gloves: Rubber Eye Protection: Splash goggles

Other Protective Equipment: Lab Coat.

Work and Hygienic Practices: Use precautions typical of handling chemical powders.

Wash after use.

Section 8 – SPILL OR LEAK PROCEDURES

Steps to be taken if material is spilled or released: Scoop up and place into suitable container. Wear protective gear for large spills.

Waste Disposal Method: Recycle to process if possible. Consult local or regional authorities.

Section 9 – PRECAUTIONS FOR SAFE HANDLING AND USE

Special Precautions: Avoid breathing dust. Avoid contact with eyes and skin. Do not ingest.

Storage Method: Keep tightly closed in a dry, well ventilated area.

Section 10 – TOXICOLOGICAL DATA

Carcinogenicity: No data available

NPT: No

OSHA: No

IARC: No

Acute Inhalation LC50: Not available

Acute Dermal LD50: Not available

Acute Oral LD50: Not available



Section 11 – ECOLOGICAL DATA

No data available on ecotoxicity.

Section 12 – TRANSPORTATION IDENTIFICATION

Proper Shipping Name: Not regulated

Identification Number: n/a

Hazard Class: n/a

Packing Group: n/a