



# Biochemical Diagnostics, Inc.

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## MATERIAL SAFETY DATA SHEET

### GENERAL INFORMATION

**TRADE NAME:** Ninhydrin, Part A

**Catalog Number:** 3504220-2

Part of Kit: 3504072-2

**Chemical Name:** Ninhydrin Monohydrate

**CAS #:** 485-47-2

**Formula:** C<sub>9</sub>H<sub>4</sub>O<sub>3</sub>H<sub>2</sub>O

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### INGREDIENTS

**Components:** Ninhydrin Monohydrate

**Threshold Limit Values:** N/A

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### PHYSICAL DATA

**Boiling Point:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Specific Gravity:** N/A

**Percent Volatile:** N/A

**Evaporation Rate:** N/A

**Solubility H<sub>2</sub>O:** Freely soluble in water

**pH:** N/A

**Appearance:** White to brownish crystals

**Odor:** Pungent

**Melting Point:** 250C (482F) decomposes

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**FIRE AND EXPLOSION HAZARD DATA**

**Flammable Limits in air % by volume:**

**Lel:** N/A

**Uel:** N/A

**Flash Point:** N/A

**Auto Ignition Temp:** N/A

**Extinguishing Media:** Use extinguishing media appropriate for surrounding fire

**Special Fire Fighting Procedures:** Wear proper protective equipment w/Self contained breathing apparatus

**Unusual Fire and Explosion Hazards:** None identified

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**REACTIVITY DATA**

**Stability:** Stable

**Incompatibility:** No information found

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Carbon dioxide and carbon monoxide may form when heated to decomposition.

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## **ENVIRONMENTAL PROTECTION PROCEDURES**

**Spill Response:** Wear suitable clothing, vacuuming or wet sweeping may be used to avoid dust dispersal. Clean-up personnel may require respiratory protection from dust.

**Waste Disposal Method:** Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility. Dispose in accordance with state, local and federal regulations.

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## **SPECIAL PROTECTION INFORMATION**

**Eye Protection:** Use chemical safety goggles. Contact lenses should not be worn when working with this material.

**Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

**Respiratory Protection:** For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

**Ventilation:** A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

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## **SPECIAL PRECAUTIONS**

### **Insert Precautions:**

Store Ninhydrin Part A in a cool, dry, dark place at 15-30C.

**Contaminated Equipment Precautions:** Wash thoroughly with soap and water.

**Hygienic Handling and Storage:** Wash thoroughly with soap and water.

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## **EMERGENCY AND FIRST AID PROCEDURES:**

**Ingestion:** If swallowed seek medical attention immediately.

**Inhalation:** Remove to fresh air. If difficulty breathing; give oxygen. If not breathing; give artificial respiration. Seek medical attention.

**Skin Contact:** Wash immediately with soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.

**Eye Contact:** Rinse with copious amounts of water for 15 minutes, lift lower and upper eye lids occasionally. Seek medical attention.

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**Emergency Response Telephone #:**  
**1-800-255-3924**

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