



# Biochemical Diagnostics, Inc.

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## MATERIAL SAFETY DATA SHEET

### GENERAL INFORMATION

**TRADE NAME:** Iodoplatinate Solution B

**Catalog Number:** 35041303  
**Part of Kit:** 3504072-2

**Chemical Name:** Potassium Iodide Solution

**CAS #:** 7681-11-0

**Formula:** KI

### INGREDIENTS

**Components:** 19.35% Potassium Iodide Solution  
in water

**Threshold Limit Values:** N/A

### PHYSICAL DATA

**Boiling Point:** 1330C

**Vapor Pressure:** 1 mmHg at 745C

**Vapor Density:** N/A

**Specific Gravity:** 1.200

**Percent Volatile:** N/A

**Evaporation Rate:** N/A

**Solubility H<sub>2</sub>O:** Complete

**pH:** 9

**Appearance:** Clear Solution

**Odor:** None

**Melting Point:** 166.01 AMU

### 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. Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

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

**Unusual Fire and Explosion Hazards:** Emits toxic fumes under fire conditions.

### REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** Tin, Strong reducing agents, strong acids, steel, aluminum, alkali metals, brass, magnesium, zinc, cadmium, copper.  
May decompose on exposure to light. May decompose on exposure to air and moisture.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Hydrogen iodide, Potassium oxides.

**ENVIRONMENTAL PROTECTION PROCEDURES**

**Spill Response:** Wear suitable clothing, carefully absorb and remove.

**Waste Disposal Method:** Dispose in accordance with state, local and federal regulations.

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**SPECIAL PROTECTION INFORMATION**

**Eye Protection:** Safety goggles and or full face shield whenever splashing is possible.

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

**Respiratory Protection:** If exposure limit is exceeded, wear a supplied air full face-piece respirator, air-lined hood, or full face-piece self-contained breathing apparatus.

**Ventilation:** Keep vapor levels as low as possible, use adequate general or local exhaust.

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**Health:** 0  
**Flammability:** 0  
**Reactivity:** 1

**SPECIAL PRECAUTIONS**

**Insert Precautions:**

Keep container tightly closed and store in a cool dry place.

**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:** May be harmful if swallowed in large quantity. If swallowed, wash out mouth with water. Call a physician.

**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.

**Eye Contact:** Rinse with copious amounts of water for 15 minutes. Seek medical attention.

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

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