



# Biochemical Diagnostics, Inc.

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## MATERIAL SAFETY DATA SHEET

### GENERAL INFORMATION

**TRADE NAME:** Diphenylcarbazone, Part B

**Catalog Number:** 3504110-9

Part of Kit: 3504072-2

**Chemical Name:** Acetone, 50% solution

**CAS #:** 67-64-1

**Formula:** N/A

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### INGREDIENTS

**Components:** Acetone:Water (1:1)

**Threshold Limit Values:** N/A

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### PHYSICAL DATA

Data for 100% Acetone

**Boiling Point:** 133F

**Vapor Pressure:** 181 mmHg @20C

**Vapor Density:** N/A

**Specific Gravity:** 0.79

**Percent Volatile:** 100%

**Evaporation Rate:** N/A

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

**pH:** 7

**Appearance:** Colorless Liquid

**Odor:** Sweet Pungent

**Melting Point:** -137.2F

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## **FIRE AND EXPLOSION HAZARD DATA**

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

**Lel:** 2.5%

**Uel:** 12.8%

**Flash Point:** 1.4 F

**Auto Ignition Temp:** 869 F

**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

**Conditions to Avoid:** Avoid heat, sparks and open flame

**Incompatibility:** Acetone may form explosive mixtures with chromic anhydride, chromyl alcohol, hexachloromelaine, hydrogen peroxide, permonosulfuric acid, potassium tertbutoxide, and thioglycol. Strong oxidizers

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.

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## **ENVIRONMENTAL PROTECTION PROCEDURES**

**Spill Response:** Wear suitable clothing, carefully sweep up 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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<b>Health:</b>	1	Slight
<b>Fire:</b>	3	Severe
<b>Reactivity:</b>	0	None

### **SPECIAL PRECAUTIONS**

#### **Insert Precautions:**

Keep container tightly closed and store in a cool dry place. Keep away from heat, sparks, and flame.

**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 **do not** induce vomiting. Give victim a glass of water or milk. 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 plenty of water. If irritation persists, seek medical attention.

**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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