



# Biochemical Diagnostics, Inc.

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## MATERIAL SAFETY DATA SHEET

### GENERAL INFORMATION

**TRADE NAME:** Tetrabutylammonium Hydroxide

**Catalog Number:** 3507175-0

**Part of Kit:** 3507030-3, 3507040-1, 3507000-1

**Chemical Name:** Tetrabutylammonium hydroxide, TBAOH

**CAS #:** TBAOH 2052-49-5, Methanol 67-56-1

**Formula:** C<sub>16</sub>H<sub>36</sub>N.HO

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### INGREDIENTS

**Components:** TBAOH, 25% solution in Methanol

**Threshold Limit Values:** N/A

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### PHYSICAL DATA

**Boiling Point:** Approx. 65C

**Vapor Pressure:** Approx. 97 mm @ 20C

**Vapor Density:** 1.11

**Specific Gravity:** 0.80

**Percent Volatile:** N/A

**Evaporation Rate:** N/A

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

**pH:** >13

**Appearance:** clear, colorless liquid

**Odor:** slight amine and alcohol

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### FIRE AND EXPLOSION HAZARD DATA

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

**Lel:** 6.7%

**Uel:** 36%

**Flash Point:** 12F

**Auto Ignition Temp:** Approx. 470 C

**Extinguishing Media:** Use water spray, carbon dioxide, dry chemical or chemical foam.

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

**Unusual Fire and Explosion Hazards:** Vapor may travel to a source of ignition and flash back. Under fire conditions, container explosion may occur.

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### REACTIVITY DATA

**Stability:** Stable at ambient temperatures. Do not expose to high temperatures. Will absorb carbon dioxide from the air.

**Incompatibility:** Oxidizers and acids

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** In fire conditions: Carbon monoxide and Nitrogen oxides

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## **ENVIRONMENTAL PROTECTION PROCEDURES**

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

**Waste Disposal Method:** Dispose in accordance with state, local and federal regulations. Do not discharge directly to surface waters.

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## **SPECIAL PROTECTION INFORMATION**

**Eye Protection:** Safety goggles and face shield

**Skin Protection:** Gloves and chemical resistant clothing to prevent exposure to skin

**Respiratory Protection:** Mist type respirator if exposed to mists. Wear appropriate NIOSH approved organic type respirator if exposed to vapors.

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

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## **SPECIAL PRECAUTIONS**

### **Insert Precautions:**

Keep container tightly closed. Stable at ambient temperatures. Do not expose to high temperatures. Will absorb carbon dioxide from the air.

**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:** Very corrosive, Methanol is a poison. Do not induce vomiting. If person is conscious and able to swallow, give large volume of water or milk. Immediately contact physician.

**Inhalation:** Remove to fresh air. If breathing stopped give artificial respiration taking care to avoid contact with product. Seek medical attention.

**Skin Contact:** Wash immediately with water. Very corrosive to skin seek medical attention.

**Eye Contact: Immediately** Rinse with copious amounts of water for 15 minutes. Very corrosive to eyes, seek medical attention.

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