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# MSDS

## MATERIAL SAFETY DATA SHEET

FOR IN VITRO DIAGNOSTIC USE ONLY

### PRODUCT IDENTIFICATION

Trade Name: Synermed Total Bilirubin Alkaline Buffer  
Catalog Number: IR300A-L

### HAZARDOUS INGREDIENTS

The information presented for each chemical entity in this MSDS represents data available for that individual chemical, and not for the reagent mixture.

<u>Chemical Name</u>	<u>%</u>	<u>CAS No.</u>	<u>Hazard</u>
Sodium Hydroxide	17.6%	1310-73-2	Corrosive

### PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State: Solid  
Boiling Point: 1390EC  
Specific Gravity: 2.130  
Melting Point: 199-200EC  
Appearance and Odor: White, non-volatile solid, odorless  
Solubility in Water: Soluble

### PHYSICAL HAZARD

Flash Point: None  
Fire and Explosion: Non-flammable  
Reactivity Data: Can react explosively with nitro and chloro organic compounds. Forms highly flammable hydrogen gas on contact with metals.  
Stability: Stable, rapidly absorbs CO<sub>2</sub> from air.  
Incompatibility: Strong acids, metals, organohalogen compounds, nitro, chloro organic compounds, peroxides, flammable liquids, chloroform/methanol mixtures.  
Haz. Decom. Prod: None

### HEALTH HAZARDS

Route of entry: Skin, inhalation and ingestion  
Signs of exposure: Skin, eyes and inhalation - causes severe burns.  
Acute Exposure Effects: Inhalation of NaOH will cause burns to the nose, throat and lungs. Contact with eyes will cause irritation or severe burns depending on the

concentration and duration of exposure. In severe cases, ulceration and permanent blindness may occur. Skin contact will cause severe burns with deep ulceration and penetration to the deeper layers will occur. Ingestion may cause severe pain, burning of the mouth, throat and esophagus, vomiting, diarrhea, collapse and possible death.

Toxicity: LD50 oral (rat) 500 mg/kg  
Irritancy: Standard Draize Test: Skin, rabbit 500 mg/24H - severe; eye, rabbit 50 :g/24H-severe.  
Threshold Limit: 2 mg/M<sup>3</sup>  
Carcinogenicity: IARC Monograph? No  
NTP? No  
OSHA regulated? No

## **EMERGENCY FIRST AID**

1. Inhalation - Move to fresh air. If not breathing, give artificial respiration. Call a physician.
2. Eyes and Skin - Flush with copious amounts of water for at least 15 minutes while removing contaminated clothing. Call a physician.
3. Ingestion - Rinse mouth thoroughly with water. Do not induce vomiting. If victim is conscious, have them drink 200-400 mL of water to dilute. Immediately call a physician.

## **PRECAUTIONS FOR SAFE HANDLING**

Spill response: Stop leak if possible. Spread calcium carbonate over spillage, transfer to container and arrange for removal by a disposal company. Thoroughly wash area with water.  
Waste disposal: Follow all federal, state and local laws.

## **CONTROL MEASURES**

Respiratory Protection: Self contained breathing apparatus.  
Ventilation: Corrosion resistant ventilation system exhausted directly to the outside.  
Eye Protection: Safety goggles or face shield  
Skin Protection: Plastic apron, rubber, neoprene, nitrile, PVC or equivalent gloves.

## **MANUFACTURER'S NAME AND ADDRESS**

SYNERMED INTERNATIONAL, INC.  
17408 TILLER COURT, SUITE 1900  
WESTFIELD, IN 46074  
USA  
(317) 896-1565

## **DATE OF PREPARATION OR LAST REVISION**

February 26, 2007

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