



MSDS

MATERIAL SAFETY DATA SHEET

FOR IN VITRO DIAGNOSTIC USE ONLY

PRODUCT IDENTIFICATION

Trade Name: Synermed Direct Bilirubin Alkaline Buffer
Catalog Number: IR302A

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 ₂ 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 500mg/24H - severe; eye, rabbit 50 :g/24H-severe.

Threshold Limit: 2 mg/M₃
Carcinogenicity: IARC Monograph? No
NTP? No
OSHA regulated? No

EMERGENCY FIRST AID

1. Inhalation - Move to fresh air. If not breathing, give CPR. 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.
Eye Protection: Safety goggles
Skin Protection: Chemical resistant gloves.

MANUFACTURER'S NAME AND ADDRESS

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