



MSDS

MATERIAL SAFETY DATA SHEET

FOR IN VITRO DIAGNOSTIC USE ONLY

PRODUCT IDENTIFICATION

Trade Name: Synermed Creatinine Picrate
Catalog Number: VI562

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>
Dimethylsulfoxide	6.8%	67-68-5	Irritant
Sodium Hydroxide	2.5%	1310-73-2	Corrosive

DIMETHYLSULFOXIDE

PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State: Liquid
Boiling Point: 189EC
Specific Gravity: 1.098
Melting Point: 18EC
Solubility in Water: Miscible
Appearance and Odor: Clear, colorless liquid; characteristic odor.

PHYSICAL HAZARD

Flash Point: 95EC
Fire and Explosion: Flammable
Extinguishing Media: Water, dry chemical or CO₂
Stability: Stable
Incompatibility: Acyl halides, oxidizing agents, non-metal halides, dinitrogen tetroxide, sulfur trioxide and hydrides.
Haz. Decom. Prod: Emits toxic fumes under fire conditions. CO and CO₂.

HEALTH HAZARDS

Route of entry: Skin, inhalation and ingestion
Signs of exposure: Skin, eyes and inhalation - may irritate eyes and skin. May irritate mucous membranes. Material is readily absorbed through the skin.
Acute Exposure Effects: Nausea, vomiting, jaundice, dermatitis, eye or respiratory irritation.

Toxicity: LD50 oral (rat) 14,500 mg/kg
Skin, rabbit 500 mg/24H - moderate.
Threshold Limit: None established
Carcinogenicity: IARC Monograph? No
NTP? No
OSHA regulated? No

EMERGENCY FIRST AID

1. Inhalation - Move to fresh air. 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 - Call a physician.

PRECAUTIONS FOR SAFE HANDLING

Spill response: Dike and absorb spill with sand or vermiculite and place in closed container for disposal. Ventilate area and wash spill site after cleanup.
Waste disposal: Follow all federal, state and local laws.

CONTROL MEASURES

Respiratory Protection: Mask or OSHA/MSHA approved organic vapor respirator is conditions warrant.
Ventilation: Mechanical
Eye Protection: Safety goggles.
Skin Protection: Chemical resistant gloves.

SODIUM HYDROXIDE

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 CO₂ 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
Standard Draize Test: skin, rabbit 500 mg/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 arranged 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

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