



MSDS

MATERIAL SAFETY DATA SHEET

FOR IN VITRO DIAGNOSTIC USE ONLY

PRODUCT IDENTIFICATION

Trade Name: Synermed Iron Buffer
Catalog Number: IR221

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	19%	67-68-5	Irritant

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
Irritancy: 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 if conditions warrant.
Ventilation: Mechanical
Eye Protection: Safety goggles
Skin Protection: Chemical resistant gloves.

MANUFACTURER'S NAME AND ADDRESS

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DATE OF PREPARATION OR LAST REVISION

February 26, 2007

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