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# 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 CO<sub>2</sub>.  
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 CO<sub>2</sub>.

### 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**

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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