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# MSDS

## MATERIAL SAFETY DATA SHEET

FOR IN VITRO DIAGNOSTIC USE ONLY

### PRODUCT IDENTIFICATION

Trade Name: Synermed Purge Concentrate  
Catalog Number: 200 - PG

### 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>
Trade Secret Antimicrobial	1.3%	None	Corrosive, Irritant

### PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 189EC  
Melting Point: -40EC  
Appearance and Odor: Pale, yellow liquid  
Solubility in Water: Highly soluble  
pH: 4.1 in 10% solution  
Specific Gravity: 1.03

### PHYSICAL HAZARD

Flash Point: None  
Fire and Explosion: Not-flammable  
Reactivity Data: N/A  
Stability: Stable  
Incompatibility: Amines, oxidizing agents, reducing agents, mercaptans.  
Haz. Decom. Prod: HCl, sulfur dioxide, oxides of nitrogen.

### HEALTH HAZARDS

Route of entry: Skin contact, inhalation, eye contact, and ingestion  
Signs of exposure: Inhalation - causes irritation of nose and throat.  
Skin contact - delayed, corrosion of skin.  
Ingestion - material is harmful if swallowed.

Delayed Effects:	allergic contact dermatitis.	
Toxicity:	LD50 oral (rat) 500-2000 mg/kg LD50 Dermal (rabbit) - 500-2000 mg/kg	
Irritancy:	Eye, rabbit - severe irritation Skin irritation rabbit - severe	
Threshold Limit:	None	
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. Wash contaminated clothing. Do not bring contaminated clothing home to be laundered. Discard clothing articles made from leather. Call a physician.
3. Ingestion - Give two glasses of water. Never give anything by mouth to an unconscious person. Immediately call a physician.

## PRECAUTIONS FOR SAFE HANDLING

Spill response:	Wear self-contained breathing apparatus, chemical safety goggles and chemically resistant gloves (butyl rubber or nitrile). Remove all contaminated clothing and wash exposed skin areas with soap and water. Prevent spills from reaching municipal sewers and open bodies of water. Transfer liquids and solid diking materials to suitable disposal container. Decontaminate spill area with 10% sodium bisulfite. After 30 minutes rinse into chemical sewer.
Storage Handling:	Store in well ventilated area < 30EC, in tightly closed containers. Material can burn indoor storage areas, should contain automatic sprinklers. Do not store in steel.
Waste disposal:	Follow all federal, state and local laws.

## CONTROL MEASURES

Respiratory Protection:	NIOSH/MSHA approved self-contained breathing apparatus, positive pressure mode.
Ventilation:	Explosion proof mechanical exhaust required.
Eye Protection:	Safety goggles or face shield, safety shower and eye bath.
Skin Protection:	Chemically resistant apron or clothing. Compatible chemical-resistant gloves. Discard if any indication of degradation or chemical breakthrough. Avoid prolonged or repeated skin contact. May cause skin sensitization.
Fire Fighting Measures:	Flash point 49EC Combustion generates toxic fumes of HCl, nitrogen oxides, sulfur oxides.
Fire Extinguishing Media:	CO <sub>2</sub> , dry chemical, polar solvent (alcohol) foam, water spray. Use water spray to cool containers exposed to fire. Do not breathe fumes.

**MANUFACTURER'S NAME AND ADDRESS**

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**DATE OF PREPARATION OR LAST REVISION**

September 28, 1999

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