



MSDS

MATERIAL SAFETY DATA SHEET

FOR IN VITRO DIAGNOSTIC USE ONLY

PRODUCT IDENTIFICATION

Trade Name: Synermed Amylase Reagent
Catalog Number: VI400

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 Azide	0.1%	26628-22-8	Toxic/Mutagen
Potassium Thiocyanate	8.7%	333-20-0	Toxic

PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State: Solid
Specific Gravity: Sodium Azide: 1.85 Potassium Thiocyanate: 1.89

PHYSICAL HAZARD

Fire and Explosion: Pure sodium azide explodes when heated.
Extinguishing Media: Dry chemical powder. Do not use water.
Incompatibility: Avoid contact with metals, acid and acid chlorides, strong oxidizing agents.
Haz. Decom. Prod: Emits toxic fumes under fire conditions. Sodium azide - Nitrogen oxides.

Potassium thiocyanate - hydrogen cyanide, oxides of sulfur, oxides of nitrogen.

HEALTH HAZARDS

Route of entry: Skin, inhalation and ingestion
Signs of exposure: Skin, eyes and inhalation -causes irritation.
Acute Exposure Effects: May alter genetic material, target organs: nerves, heart, brain. May be fatal if inhaled, swallowed, or absorbed through the skin. Exposure can cause nausea, headache, and vomiting.
Toxicity: Sodium azide: LDLO oral (man) 143 mg/kg
LD50 oral (rat) 27 mg/kg
Potassium thiocyanate: LD50 oral (rat) 854 mg/kg

Threshold Limit:	Sodium azide: 0.3 ,mg/M ³
Carcinogenicity:	IARC Monograph? No
	NTP? Yes
	OSHA regulated? Yes

EMERGENCY FIRST AID

1. Inhalation - Move to fresh air. If not breathing, give CPR. If breathing is difficult, give oxygen. 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. If conscious, induce vomiting. Immediately call a physician.

PRECAUTIONS FOR SAFE HANDLING

Spill response:	Evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
Waste disposal:	Follow all federal, state and local laws.

CONTROL MEASURES

Respiratory Protection:	Wear appropriate NIOSH/MSHA approved respirator.
Ventilation:	Corrosive resistant ventilation system exhausted directly to the outside.
Eye Protection:	Safety goggles or face shield.
Skin Protection:	Chemical resistant gloves. Wash thoroughly after handling.

ADDITIONAL INFORMATION

Azide reacts with many heavy metals such as lead, copper, mercury, silver, gold to form explosive compounds. Azide reacts with metal halides to give a range of metal azide halides many of which are explosive. Incompatibilities with chromyl chloride, hydrazine bromine, carbon disulfide, dimethyl sulfate and dibromomalonitrile.

MANUFACTURER'S NAME AND ADDRESS

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