

Material Safety Data Sheet

Section I: Product and Company Information

Product Trade Name *STABILZYME® HRP CONJUGATE STABILIZER*
Product Number..... *SZ02-0050, SZ02-1000, SZ02-2000*
Chemical Nature Aqueous, protein-containing mixture preserved with 0.02% methylisothiazolone, 0.02% bromonitrodioxane and 20 ppm Proclin™ 300

Manufacturer's Name..... SurModics, Inc.
Street Address 9924 West 74th Street
City, State, Zip Code, Country Eden Prairie, MN 55344 US
Emergency Telephone Number CHEMTREC: 1-800-424-9300 (US and Canada)
1-703-527-3887 (International shipments)

Telephone Number for Information.... (952) 829-2700
Fax Number (952) 829-2743
Prepared by Clinical & Regulatory Affairs

Section II: Hazards Identification

EMERGENCY OVERVIEW:

Non-hazardous liquid. This product is non-flammable. May cause eye irritation.

OSHA REGULATORY STATUS:

This product does not meet the definition of a hazardous chemical given in 29 CFR 1910.1200 (OSHA).

POTENTIAL HEALTH EFFECTS:

Eye exposure could cause mild to severe irritation in some individuals.

POTENTIAL ENVIRONMENTAL EFFECTS:

No data available.

Section III: Composition/Information on Ingredients

Components	CAS Registry #	%
Proprietary formulation; no hazardous components above 1% or carcinogens above 0.1%	None	100

Section IV: First Aid Measures

- Eye Exposure**..... Introduction into the eye could cause mechanical irritation. In case of contact, wash eyes immediately with large amounts of water or normal saline for at least 15 minutes, lifting the upper and lower lids to assure adequate flushing. Seek medical attention if irritation develops.
- Skin Exposure** No adverse acute effects are expected via this route of entry. Flush with water, and then thoroughly wash affected area with soap and water.
- Ingestion** No data on ingestion of the material is available. Extremely large oral doses may produce gastrointestinal disturbance. If swallowed, consult with medical staff or poison control center to determine if any immediate response or follow-up actions are recommended.
- Inhalation** No adverse acute effects are expected via this route of entry. No special first aid measures are necessary; inhalation or aspiration unlikely.
- Notes to Physicians** None

Section V: Fire Fighting Measures

- Flash Point** Not Available
- Flammable Limits** Not Available
- Auto-Ignition Temperature**..... Not Available
- NFPA Hazard Classification** Health: 0 Flammability: 0 Reactivity: 0 Other:
- Extinguishing Media** No restriction; use appropriate agent for surrounding fire.
- Fire Fighting Procedure** Wear full protective clothing, including self-contained breathing apparatus.
- Hazardous Combustion Products** Toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides.
- Unusual Fire and Explosion Hazards** None

Section VI: Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear suitable laboratory protective clothing. Absorb spill with inert material and then place in a disposal container. Wash the area of the spill thoroughly with soap and water. Do not contaminate soil, groundwater, or surface water.

Section VII: Handling and Storage

HANDLING:

Refer to Section VIII for recommended precautionary measures when handling *StabilZyme HRP Conjugate Stabilizer*.

STORAGE:

Store refrigerated or a room temperature.

Section VIII: Exposure Control / Personal Protection

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

Exposure Limits	
OSHA PEL	ACGIH TLV
None Established	None Established

None

ENGINEERING CONTROLS:

Not respirable as a liquid.

PERSONAL PROTECTIVE EQUIPMENT:

- Safety goggles or glasses with side shields
- Protective clothing – lab coat
- Protective gloves – disposable rubber gloves

GENERAL HYGIENE CONTROLS:

- Practice good chemical hygiene when handling
- Avoid contact with eyes, skin and clothing
- Do not ingest material
- Safety shower and eyewash station available near location of use

Section IX: Physical and Chemical Properties

Boiling Point	100°C	Specific Gravity (H₂O=1)	Not Available
Vapor Pressure (mmHg)	Not Available	Melting Point	Not Available
Vapor Density (AIR=1)	Not Available	Freezing Point	Not Available
pH	6.2-6.7	Evaporation Rate	Not Available
Solubility in Water	Complete	Percent Volatiles	Not Available
Appearance	Clear, amber colored liquid		
Physical State	Liquid		
Odor	None		

Section X: Stability and Reactivity Data

Stability	Chemically stable at normal temperatures and storage conditions.
Conditions to Avoid	None known.
Incompatibility	None known.
Hazardous Decomposition or Byproducts	Toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides.
Hazardous Polymerization	Will not occur

Section XI: Toxicological Information

Though complete toxicity information on **StabilZyme HRP Conjugate Stabilizer** is not available, none of its components are known to be toxic or hazardous at use concentrations. **StabilZyme HRP** stabilizer contains three mercury-free preservatives [methylisothiazolone (0.02%), bromonitrodioxane (0.02%) and Proclin™ 300 (20 ppm)], all of which can produce adverse health effects in their concentrated form. For more specific toxicity information on these components, refer to the material safety data sheets available from the manufacturers (Boehringer Mannheim Corporation and Rohm and Haas, respectively).

Section XII: Ecological Information

No data available.

Section XIII: Disposal Considerations

APPROPRIATE WASTE DISPOSAL METHOD:

Observe all federal, state and local laws when considering most appropriate disposal method.

Section XIV: Transport Information

Department of Transportation (DOT) ...	Non-regulated, non-hazardous for transport
Reportable Quantity (RQ)	None known
Emergency Telephone Number	CHEMTREC: 1-800-424-9300 (US and Canada)
(During Transport)	1-703-527-3887 (International shipments)

Section XV: Regulatory Information

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

Not Applicable.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

Not Applicable.

Section XVI: Other Information

StabilZyme is a registered trademark of SurModics, Inc.

Proclin™ is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates.

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