

Material Safety Data Sheet

U.S. Department of Labor

Occupational Safety and Health Administration
Form Approved
OMB No. 1218-0072

Product name : SUMOstar Protease 1 Product number : 4110 Formula : enzyme Molecular weight : 26,481 Da Brand : LifeSensors Company : LifeSensors, Inc. 271 Great Valley Parkway Malvern PA, 19355 Telephone # : 610.644.8845 FAX : 610.644.8616 Emergency phone #: 610.644.8845	
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Section I

Manufacturer's name LifeSensors, Inc.	Emergency Telephone Number 610.644.8845
Address (Number, Street, City, State and ZIP Code) 271 Great Valley Parkway, Malvern PA, 19355	Telephone Number for Information 610.644.8845
	Date Prepared 06.09.2011

Section II—Hazardous Ingredients/Identity Information

Hazardous Components	No known OSHA hazards
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IARC: No components of this product present at level greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

ACGIH: No components of this product present at level greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH

NTP: No components of this product present at level greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP

Section III—Physical/Chemical Characteristics

Boiling Point	n/a	Specific Gravity (H ₂ O = 1)	n/a
Vapor Pressure (mm Hg)	n/a	Melting Point	n/a
Vapor Density (AIR = 1)	n/a	Evaporation Rate (Butyl Acetate = 1)	n/a
Solubility in Water:	All components are water soluble.		
Appearance and Odor	Liquid		

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	n/a	Flammable Limits	LEL	UEL
Extinguishing Media	n/a	n/a	n/a	n/a
Special Fire Fighting Procedures	n/a			
Unusual Fire and Explosion Hazards	n/a			

(Reproduce locally)

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Section V—Reactivity Data

Stability	Unstable	20°C	Conditions to Avoid: Repeated freezing/thawing
	Stable	-80°	
Incompatibility (<i>Materials to Avoid</i>)	n/a		
Hazardous Decomposition or Byproducts	Not data available		
Hazardous Polymerization			Conditions to Avoid
	Will Not Occur		Not data available

Section VI—Health Hazard Data

Health Hazards (*Acute and Chronic*) **Not data available for acute toxicity**

Chronic exposure

Inhalation: **May be harmful if inhaled. May cause respiratory tract irritation**

Skin: **No data available for toxicity**

Eyes: **No data available for toxicity**

Ingestion: **May be harmful if swallowed.**

Carcinogenicity **Not data available**

Signs and Symptoms of Exposure **Not data available**

Medical Conditions

Generally Aggravated by Exposure **Not data available**

Emergency and First Aid Procedures:

If inhaled: Move person into fresh air

Skin contact: Wash with soap and water

Eye contact: Flush eyes with water as a precaution

If swallowed: Rinse mouth with water

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled: **Wipe and rinse the surface with water.**

Waste Disposal Method: **Observe all federal, state, and local environmental regulations**

Precautions to Be Taken in Handling and Storing: **General laboratory storage at recommended temperature**

Other Precautions

Section VII—Control Measures

Contains no substances with occupational exposure limit value

Respiratory Protection **is not required**

Protective Gloves: **Yes**

Eye Protection: **Safety glasses**

Work/Hygienic Practices: **General industrial hygiene practice**