

# Material Safety Data Sheet

U.S. Department of Labor

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

**Product name** : SUMOstar Protease  
**Product number** : SP-4110  
**Formula** : N/A  
**Molecular weight** : 26.4 kDa  
**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

## 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**

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 <sub>2</sub> 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:	<b>All components are water soluble.</b>		
Appearance and Odor	<b>Liquid</b>		

## 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)

OSHA 174 Sept.

1985

**Section V—Reactivity Data**

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

**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 VIII—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**