

Material Safety Data Sheet

U.S. Department of Labor

Occupational Safety and Health Administration

Form Approved

OMB No. 1218-0072

Product Name: Ubiquitin-Aldehyde Product Number: SI250 Formula: N/A Molecular Weight: 8.5 kDa Brand: LifeSensors Company: LifeSensors Inc. Address: 271 Great Valley Pkwy 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 10.08.2025

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 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: **Water-soluble**

Appearance and Odor: **Lyophilized powder**

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used): N/A	Flammable Limits: N/A	LEL: N/A	UEL: N/A
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Extinguishing Media: 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	4°C	Conditions to Avoid: Repeated freezing/thawing
	Stable	-80° as liquid -20° dry	
Incompatibility (<i>Materials to Avoid</i>): Strong oxidative agents			
Hazardous Decomposition or Byproducts: No data available			
Hazardous Polymerization Conditions to Avoid	Will Not Occur		
	No data available		

Section VI—Health Hazard Data

Health Hazards (<i>Acute and Chronic</i>): No data available for acute toxicity	
Chronic exposure	
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation	
Skin: May be harmful if absorbed through skin. May cause skin irritation	
Eyes: May cause eye irritation	
Ingestion: May be harmful if swallowed	
Carcinogenicity: No data available	
Signs and Symptoms of Exposure: No data available	
Medical Conditions	
Generally Aggravated by Exposure	No 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: Provide appropriate exhaust ventilation at places where dust is formed. Keep container tightly closed
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	