

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

Product Name: TUBE 1 (Biotin)
Product Number: UM301
Molecular Weight: 38 kDa
Brand: LifeSensors

Section I

LifeSensors, Inc.

Emergency Telephone Number: (610) 644-8845

271 Great Valley Parkway

Telephone Number for Information: (610) 644-8845

Malvern, PA 19355, USA

Date Prepared: 10.08.2025

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))

OSHA PEL

ACGIH TLV

Other Limits
Recommended

% (optional)

No known OSHA hazards

Section III—Physical/Chemical Characteristics

Boiling Point

N/A

Specific Gravity (H₂O = 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:

Appearance and Odor: Liquid

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used): N/A

Flammable Limits: N/A

LEL: N/A

UEL: N/A

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	>0°C	Conditions to Avoid: Repeated freeze/thaw cycles
	Stable	-80°C	
Incompatibility (<i>Materials to Avoid</i>): N/A			
Hazardous Decomposition or Byproducts: N/A			
Hazardous Polymerization	May Occur	N/A	Conditions to Avoid: N/A
	Will Not Occur	N/A	

Section VI—Health Hazard Data

Route(s) of Entry	Inhalation	Skin	Ingestion
Health Hazards (<i>Acute and Chronic</i>):	Unknown	Unknown	Unknown
May be harmful if inhaled or ingested. No data available.			
Carcinogenicity: May be harmful if inhaled or ingested. 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. If contact with skin, wash with soap and water. If contact with eyes, 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 surface with water
Waste Disposal Method:
Observe all federal, state, and local environmental regulations
Precautions to Be Taken in Handling and Storing: See product manual for handling and storage guidelines
Other Precautions: N/A

Section VII—Control Measures

Respiratory Protection (<i>Specify Type</i>)		
Ventilation	Local Exhaust: Not required	Special: N/A
	Mechanical (<i>General</i>): Not required	Other: N/A
Protective Gloves: Gloves are recommended but not required		Eye Protection: Safety glasses are recommended but not required
Other Protective Clothing or Equipment: N/A		
Work/Hygienic Practices: General industrial hygiene practice		