

Material Safety Data Sheet

U.S. Department of Labor

Occupational Safety and Health Administration

Form Approved

OMB No. 1218-0072

Product name : K63-linked tetra-ubiquitin (Ub4)
Product number : SI6304
Formula : protein
Molecular weight : 34,233.4 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

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 07 Oct 2014

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: 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)

OSHA 174 Sept.

1985

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*) **No 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: **No data available.**

Signs and Symptoms of Exposure **No 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**