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**SAFETY DATA SHEET - 29 CFR 1910.1200**

**Section 1: Company and Product Identification**

**Product Name:** L-GLUTAMINE 200 mM SOLUTION (100X)

**Product Code:** L1009

**Company:** Biologos, LLC  
2235 Cornell Ave  
Montgomery, IL 60538  
PH: 800-246-4088

**Emergency Response:** INFOTRAC  
(800) 535-5053

**Section 2: Hazards Identification**

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**Hazard Pictograms:**

**Signal Word:** Not Applicable

**Hazard Category:** Non-classified

**Hazard Statements:** Not Applicable

**Precautionary Statements:** Not applicable, none known.

**Hazards not otherwise classified:** Not applicable, none known.

**Section 3: Composition / Information on Ingredients**

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Water	Not classified	7732-18-5	60-67
L-Glutamine	Not classified	56-85-9	25-30
Sodium Chloride	Irritant	7647-14-5	7-10

#### Section 4: First Aid Measures

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**Notable Exposure symptoms:** None  
Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

**If ingested:** If you feel unwell, seek medical advice.

**If inhaled:** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

**Skin contact:** Rinse cautiously with water for several minutes. Immediate medical attention is not required.

**Additional Info:** None

#### Section 5: Fire Fighting Measures

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**General Info:** Do not enter fire area without proper protection.

**Extinguishing Method / Equipment:** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry Chemical

**Hazardous Decomposition Info:** Not applicable.

#### Section 6: Accidental Release Measures

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**Personal precautions, protective equipment and procedures:** Safety glasses. Evacuate unnecessary personnel.

**Containment Equipment and Procedures:** Prevent further leakage or spillage if safe to do so.

**Cleanup Procedures:** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

#### Section 7: Handling and Storage

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**Safe Handling Precautions:** Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with eyes.

**Recommendations for Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

**Incompatibilities:** None.

## Section 8: Exposure Control / Personal Protection

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**General / Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Work Clothing:** Standard work clothes.

**Eye/face protection:** Safety glasses.

**Skin Protection:** Wear protective gloves.

**Respiratory Protection:** No protective equipment is needed under normal use conditions.

**Additional Information:** None

Substances with Exposure Limits	CAS#	ACGIH-TLV	OSHA-PEL	NIOSH
None				

## Section 9: Physical and Chemical Properties

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<b>State:</b> Liquid	<b>Melting Point:</b> Not avail	<b>Freezing Point:</b> Not avail	<b>Odor Threshold:</b> N/A
<b>Color:</b> Clear	<b>Boiling Point/Range:</b> Not avail	<b>pH:</b> Not avail	
<b>Sp Grav:</b> Not avail	<b>Odor:</b> None	<b>Water Solubility:</b> Soluble	
<b>Evaporation rate:</b> Not avail	<b>Flash Point:</b> Not avail	<b>Part. Coeff (n-octanol/water):</b> Not avail	
<b>Upper Flam Limits:</b> Not avail	<b>Lower Flam Limits:</b> Not avail	<b>Vapor Pressure:</b> Not avail	
<b>VOC Content (lbs/gal):</b> 0%	<b>Viscosity:</b> Not avail	<b>Autoignition Temp:</b> Not avail	

## Section 10: Stability and Reactivity

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**General:** Stable under normal conditions.

**Incompatible materials:** Strong Acids.

**Decomposition products:** Not available.

## Section 11: Toxicological Information

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There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

**General Information:**

**Toxicological**

**Information (product):** May cause eye irritation.

**Likely Routes of Exposure:** Skin and eye contact.

**Toxicological Information (contained substances)**

Hazardous substance (name)	LD50 Oral	LD50 Dermal	LC50 Inh	Irritancy:
Sodium Chloride	3000 mg/kg	10000 mg/kg	Not classified	Not classified

**Carcinogenicity:** Not Classified

**Mutagenicity:** Not Classified

**Sensitization:** Not Classified

**Reproductive or Developmental Effects:** Not Classified

**Section 12: Ecological Information**

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**General information:** Classification concerning the environment: not applicable.

**Aquatic Toxicity:** Not Available

**Degradation / Mobility info:** Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No test data on mobility of the substance available.

**Bioaccumulative potential:** Not established.

**Section 13: Disposal Information**

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**Product disposal:** Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor.

**Container disposal:** Consult waste contractor.

**Other considerations:** None

**Section 14: Transport Information**

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**DOT:** Not regulated for transport

**IMO/IMDG:** Not regulated for transport

**IATA:** Not regulated for transport

**OTHER:** Inquire for further transport information.

### **Section 15: Regulatory Information**

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**TSCA:** Listed

**CERCLA RQ:** Not Regulated by CERCLA

**SARA 311/312:** Not listed.

**SARA 313** Not listed.

**California Prop 65**  
**Substances:** No California Prop. 65 substances.

**WHMIS:** Class D Division 2 Subdivision B - Toxic material causing other toxic effects.

**USDOT RQ** - No. DOT Marine Pollutant - No.

**Clean Water Act** Not listed.

### **Section 16: Other Information**

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**SDS Author:** Biologos, LLC

**Version Date:** 3/18/2019

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