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**SAFETY DATA SHEET - 29 CFR 1910.1200**

**Section 1: Company and Product Identification**

**Product Name:** Bio-1351™

**Product Code:** B1351™ (Phosphate Buffer Solution pH 7)

**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:** Warning

**Hazard Category:** Non-classified

**Hazard Statements:** H320-May cause eye irritation

**Precautionary Statements:**

Prev: P264: Wash thoroughly after handling  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
 P337+313: If eye irritation persists get medical advice/attention  
 Storage: No specific direction

**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	90-99
Sodium Phosphate Monobasic Anhydrous	Irritant	7558-80-7	0.1-10
Sodium Phosphate Dibasic Anhydrous	Irritant	7558-79-4	0.1-5

#### Section 4: First Aid Measures

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**Notable Exposure symptoms:** Irritation of eye tissue.

**If ingested:** Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Obtain medical attention.

**If inhaled:** Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

**Eye contact:** Rinse immediately with plenty of water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

**Skin contact:** Rinse with water. Soap may be used. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.

**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:** Foam. Dry powder. Carbon dioxide. Water.

**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. Stop spill from entering drains, sewers, streams, or waterways.

**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 away from strong acids. Keep in properly labeled containers.

**Incompatibilities:** Strong oxidizing agents. Acids. Chlorinated compounds.

## 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.

**Controls:**

**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

**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> 44 hPa	
<b>VOC Content (lbs/gal):</b> 0%	<b>Viscosity:</b> Not avail	<b>Autoignition Temp:</b> 399°C	

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

**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 Phosphate Monobasic Anhydrous	8290 mg/kg (Rat)	-	Not classified	Not classified
Sodium Phosphate Dibasic Anhydrous	5950 mg/kg (Rat)	>7940 mg/kg (Rabbit)	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.

<u>LC50 Fish</u>	<u>&gt;100</u>	<u>Water Flea EC50</u>
mg/l		> 100 mg/l (48 h; Daphnia magna)

### Aquatic Toxicity:

**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** No California Prop. 65 substances.

**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:** 12/19/2016

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