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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 INFOTRAC Response: (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
 P303+361+353: 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

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

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

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

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

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

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

Section 9: Physical and Chemical Properties

State: Liquid	Melting Point: Not avail	Freezing Point: Not avail	Odor Threshold: N/A
Color: Clear	Boiling Point/Range: Not avail	pH: Not avail	
Sp Grav: Not avail	Odor: None	Water Solubility: Soluble	
Evaporation rate: Not avail	Flash Point: Not avail	Part. Coeff (n-octanol/water): Not avail	
Upper Flam Limits: Not avail	Lower Flam Limits: Not avail	Vapor Pressure: 44 hPa	
VOC Content (lbs/gal): 0%	Viscosity: Not avail	Autoignition Temp: 399°C	

Section 10: Stability and Reactivity

General: Stable under normal conditions.

Incompatible materials: Strong Acids.

Decomposition products: Not available.

Section 11: Toxicological Information

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

General information: Classification concerning the environment: not applicable.

<u>LC50 Fish</u>	<u>>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

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

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

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

SDS Author: Biologos, LLC

Version Date: 12/19/2016

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