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**SAFETY DATA SHEET - 29 CFR 1910.1200**

**Section 1: Company and Product Identification**

**Product Name:** Bio-Perox™

**Product Code:** T1701 (3% Hydrogen Peroxide Solution)

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

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

**Section 2: Hazards Identification**

GHS05 BLANK BLANK BLANK

**Hazard Pictograms:**



**Signal Word:** Danger

**Hazard Category:** Skin corrosion/irritation Cat 2  
Serious eye damage/eye irritation Cat 1

**Hazard Statements:** H315: Causes skin irritation  
H318: Causes serious eye damage

**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  
P302+352: IF ON SKIN: Wash with soap and water  
P332+313: If skin irritation occurs: Get medical advice/attention  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P362: Take off contaminated clothing and wash before reuse

**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	96-98
Hydrogen Peroxide	Ox Liquid 1; Acute Tox. 4; Skin Corr. 1A; Eye Irrit. 2A, H319	7722-84-1	2-4

#### Section 4: First Aid Measures

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**General Info:** Indication of any immediate medical attention and special treatment needed  
Treat symptomatically

**Notable Exposure symptoms:** Dry skin and irritation of eye tissue.

**If ingested:** If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully.  
Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.  
Seek medical advice.

**If inhaled:** If fumes, aerosols or combustion products are inhaled remove from contaminated area.  
Other measures are usually unnecessary.

**Eye contact:** Immediately hold eyelids apart and flush the eye continuously with running water.  
Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  
Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.  
Transport to hospital or doctor without delay.  
Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**Skin contact:** Immediately remove all contaminated clothing, including footwear.  
Flush skin and hair with running water (and soap if available).  
Seek medical attention in event of irritation.

#### Section 5: Fire Fighting Measures

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**General Info:** Alert Fire Brigade and tell them location and nature of hazard.  
Wear breathing apparatus plus protective gloves in the event of a fire.  
Prevent, by any means available, spillage from entering drains or water courses.  
Use fire fighting procedures suitable for surrounding area.

**Extinguishing:** There is no restriction on the type of extinguisher which may be used.

**Method / Equipment:** Use extinguishing media suitable for surrounding area.

**Hazardous Decomposition Info:** May include carbon dioxides or other toxic vapors.

#### Section 6: Accidental Release Measures

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**Personal precautions, protective equipment and procedures:** Use personal protective equipment. Refer to Section 8. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material.

**Containment:** Clean up all spills immediately.

**Equipment and Procedures:** Avoid breathing vapours and contact with skin and eyes.

**Procedures:** Control personal contact with the substance, by using protective equipment.  
Contain and absorb spill with sand or inert material.

**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** Limit all unnecessary personal contact.

**Precautions:** Wear protective clothing when risk of exposure occurs.

Use in a well-ventilated area.

Avoid contact with incompatible materials.

**Recommendations for** Protect from light.

**Storage:** Store in original containers.

Keep containers securely sealed.

Store in a cool, dry, well-ventilated area.

Store away from incompatible materials and foodstuff containers.

**Incompatibilities:** Strong oxidizing agents.

## Section 8: Exposure Control / Personal Protection

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**General / Engineering** Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will

**Controls:** typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

**Work Clothing:** Overalls. Eyewash unit.

**Eye/face protection:** Safety glasses with side shields; or as required, Chemical goggles.

Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

**Skin Protection:** Wear protective gloves/clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots

**Respiratory** No protective equipment is needed under normal use conditions. If exposure limits are

**Protection:** exceeded or irritation is experienced, ventilation and evacuation may be required.

**Additional Information:** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Wash hands before breaks and immediately after handling the product.

Substances with Exposure Limits	CAS#	ACGIH-TLV	OSHA-PEL	NIOSH
Hydrogen Peroxide	7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m3	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m3

## Section 9: Physical and Chemical Properties

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**State:** Liquid

**Melting Point:** 0°C

**Freezing Point:** Not avail

**Odor Threshold:** No avail

**Color:** Clear

**Boiling Point/Range:** 100°C

**pH:** Not avail

**Sp Grav:** 1

**Odor:** Slight

**Water Solubility:** Soluble

<b>Evaporation rate:</b> >1	<b>Flash Point:</b> Not avail	<b>Part. Coeff</b> Not avail
<b>Upper Flam Limits:</b> N/A	<b>Lower Flam</b> N/A <b>Limits:</b>	<b>Vapor</b> 23 mmHg at <b>Pressure:</b> 30°C
<b>VOC Content</b> N/A <b>(lbs/gal):</b>	<b>Viscosity:</b> Not avail	<b>Autoignition</b> Not avail <b>Temp:</b>

### Section 10: Stability and Reactivity

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**General:** Light sensitive.

**Incompatible materials:** Powdered metals, Powdered metal salts

**Decomposition products:** Oxygen

### Section 11: Toxicological Information

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**General Information:** Indicators are that short term exposure to the material by all routes is not harmful.

**Toxicological Information (product):** Not normally a hazard due to non-volatile nature of product

**Likely Routes of Exposure:** The material is not thought to produce adverse health effects or irritation of the respiratory tract.

Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

#### Toxicological Information (contained substances)

Hazardous substance (name)	LD50 Oral	LD50 Dermal	LC50 Inh	Irritancy:
Water	-	-	-	
Hydrogen Peroxide	Oral (rat) LD50: 75 mg/kg	dermal (rat) LD50: 3000- 5480 mg/kg[1]	Inhalation (rat) LC50: 2 mg/L/4H	Not Available

**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.

<b>EC50 3 Hr Algae</b>	<b>EC50 48 hr Crustacea</b>	<b>LC50 96 Hr Fish</b>	<b>EC50 72 Hr Algae</b>
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**Aquatic Toxicity:** 0.27 mg/L                      2.32 mg/L                      0.020 mg/L                      0.71 mg/L

**Degradation / Mobility info:** Readily biodegradable in the environment.

**Bioaccumulative potential:** None.

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### 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:** Treat empty containers with extra care, as residual material may be an oxidizer. Consult waste contractor.

**Other considerations:** None

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### Section 14: Transport Information

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**DOT:** Not Regulated

**IMO/IMDG:** Not Regulated

**IATA:** Not Regulated

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

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### Section 15: Regulatory Information

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**TSCA:** Exempt

**CERCLA RQ:** Not Regulated by CERCLA

**SARA 311/312:** Reactive, Acute, Chronic

**SARA 313** Not listed.

**California Prop 65** No California Prop. 65 substances.

**Substances:**

**WHMIS:** D2B

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

**Clean Water Act** Not listed.

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### Section 16: Other Information

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**SDS Author:** Biologos, LLC

**Version Date:** 4/6/2017

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