

Safety Data Sheet

Issue Date 31-Mar-2017

Revision/Review Date: 20-Aug-2020

Version 1.2

1. IDENTIFICATION

Product Identifier

Product Name Bright Solutions HP2O2

Other Means of Identification

Product Code BSL4620041/ BSL4620065T/ BSL4620039/ BSL4620006

Recommended use of the Chemical and Restrictions on Use

Recommended Use Peroxide disinfectant. For industrial & institutional use.

Recommended Use

Product AT USE DILUTION: 2oz/gal (1:64) to 8 oz/gal (1:16)

Details of the Supplier of the Safety Data Sheet

Bright Solutions
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number

Company Phone Number Phone: 1-800-467-6294
Emergency Telephone (24 hr) INFOTRAC (Customer Number 90982)
1-352-323-3500 (International)
1-800-535-5053 (North America)

*2. HAZARDS IDENTIFICATION

Appearance Colorless

Physical State Liquid

Odor None

Classification

Serious eye damage/eye irritation

Category 2B

Signal Word

Warning

Hazard Statements

Causes eye irritation.



Precautionary Statements – Prevention

Keep out of reach of children
Wash hands thoroughly after handling.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice / attention.
IF ON SKIN: Rinse skin with water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
SPECIFIC TREATMENT: Remove from exposure and treat symptoms.

Precautionary Statements - Storage

No other specific measures identified.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Unknown Acute Toxicity

None known.

***Product AT USE DILUTION**

GHS Classification: Not classified.

Signal Word: No signal word.

Hazard Statements: No known significant effects or critical hazards.

Prevention: Wash thoroughly after handling.

Response: Get medical attention if symptoms appear.

Disposal: No other specific measures identified.

Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Propylene Glycol n-Propyl Ether	1569-01-3	7-13
Dodecylbenzenesulfonic Acid	68584-22-5	5-10
Alcohols, C6-C12, ethoxylated	68439-45-2	1-5
Hydrogen Peroxide	7722-84-1	1-5
Phosphoric Acid	7664-38-2	1-5

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. **

***Product AT USE DILUTION**

No hazardous ingredients in reportable quantities are present in the product.

4. FIRST-AID MEASURES*First Aid Measures**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove and discard contact lenses. If irritation occurs and persists, get medical attention/advice.
Skin Contact	Immediately flush skin with running water for 15 minutes. If irritation persists, get medical attention.
Inhalation	No special measures are required. Treat symptomatically.
Ingestion	Rinse mouth and drink large amounts of water. Do NOT induce vomiting. Get medical attention/advice, if you feel unwell.

Most Important Symptoms and Effects

Symptoms No information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically.

***Product AT USE DILUTION**

Eye Contact: Rinse with water for a few minutes.

Skin Contact: No specific measures required.

Inhalation: No special measures required with normal use. Treat symptomatically.

Ingestion: Rinse mouth with water. Consult physician if symptoms occur.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO₂). Dry chemical. Foam.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

This product contains hydrogen peroxide which could accelerate burning when involved in a fire.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required.

Environmental Precautions Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Collect spillage. Collect in a clean, dry waste container for disposal. Dilute remaining residue with water.

***Product AT USE DILUTION**

Personal Precautions: Use personal protective equipment as required.

Environmental Precautions: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Methods for Clean Up: Use a water rinse for a final clean-up.

*7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet after handling product. Mix only with water.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Keep only in original container. Keep from freezing.

Incompatible Materials Strong acids, strong bases, chlorinated products, organics, reducing agents, dust and dirt.

***Product AT USE DILUTION**

Handling and Storage: Wash thoroughly after handling. Keep out of reach of children.

*8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide 7722-84-1	TWA: 1ppm	1.4 mg/m ³	

Phosphoric Acid 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³
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Appropriate Engineering Controls

Engineering Controls Eyewash bottle / station.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Safety glasses are not normally required. However, their use is recommended in cases where handling undiluted product involves a risk of splashing.

Skin and Body Protection No personal protective equipment required under normal use conditions. If prolonged or repeated contact with hands may occur, wear chemical resistant gloves.

Respiratory Protection No personal protective equipment required under normal use conditions. Ensure adequate ventilation in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

***Product AT USE DILUTION**

Engineering Controls: Good general room ventilation should be adequate.

Eye Protection: No personal protective equipment required under normal use conditions.

Skin and Body Protection: No personal protective equipment is needed under normal use conditions.

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

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES*Information on Basic Physical and Chemical Properties**

Physical State	Liquid	Odor	None
Appearance	Clear	Odor Threshold	Not determined
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	<1.0	
Melting Point/Freezing Point	Approximately 32°F	
Boiling Point/Boiling Range	Approximately 212 °F	
Flash Point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.04	
Water Solubility	Completely soluble	@ 25 °C (77 °F)
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

***Product AT USE DILUTION**

Physical State: Liquid

Color: Colorless

Odor: None

pH: 2.0 – 3.5

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children. Keep from freezing.

Incompatible Materials

Strong acids, strong bases, chlorinated products, organics, reducing agents, dust and dirt.

Hazardous Decomposition Products

Oxygen gas, carbon dioxide, carbon monoxide, hydrocarbons, or organic compounds may be formed during thermal decomposition.

11. TOXICOLOGICAL INFORMATION*Information on Likely Routes of Exposure****Product Information**

Eye Contact	Causes eye irritation.
Skin Contact	May be mildly irritating to skin.
Inhalation	No information available.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol n-Propyl Ether 1569-01-3	= 2504 mg/kg (Rat)	= 3350 mg/kg (Rabbit)	-
Dodecylbenzenesulfonic Acid 68584-22-5	= 1450 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Alcohols, C6-C12, ethoxylated 68439-45-2	= 5100 mg/kg (Rat)	= 1500 mg/kg (Rabbit)	> 3.2 mg/L (Rat) Acute 1 hour
Hydrogen Peroxide 7722-84-1	= 1193 mg/kg	= 2000 mg/kg	-
Phosphoric Acid 7664-38-2	= 1530 mg/kg (Rat)	= 2730 mg/kg (Rabbit)	> 850 mg/m ³ (Rat) 1 h

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity Not classifiable as a human carcinogen.

Numerical Measures of Toxicity

Not determined.

Unknown Acute Toxicity

None known.

Product AT USE DILUTION		
Chemical Name	Oral LD50	Dermal LD50
HP2O2 (at use Dilution)	>5000 mg/kg	>5000 mg/kg

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Dodecylbenzenesulfonic Acid 68584-22-5	= 47.3 mg/L (72hr) Algae	= 1.67 mg/L (96hr)	-	= 2.4 mg/L (48hr) Daphnia
Alcohols, C6-C12, ethoxylated 68439-45-2	-	-	-	= 9.2mg/L (48hr) Daphnia magna
Hydrogen Peroxide 7722-84-1	-	16.4 mg/L (fathead minnow 96hr)	-	2.4 mg/L (Daphnia 48hr)
Phosphoric Acid 7664-38-2	-	3 - 3.5: 96 h Gambusia affinis mg/L LC50	-	4.6: 12 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Phosphoric Acid 7664-38-2	Corrosive

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated. (NOI Non-Hazardous)

IATA**IMDG**

***Product AT USE DILUTION**

Not intended for transport.

15. REGULATORY INFORMATION**International Inventories**

Canada – Domestic Substances List (DSL)
 TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.
 All ingredients are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Dodecylbenzenesulfonic Acid 68584-22-5	1000 lb.	1000 lb.	RQ 1000 lb. final RQ RQ 453 kg final RQ
Phosphoric Acid 7664-38-2	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

SARA 311/312 Hazard Categories

Immediate (Acute) Health, Delayed (Chronic) Health

SARA 313

None listed.

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric Acid 7664-38-2	5000 lb			X

US State Regulations

None known.

U.S. State Right-to-Know Regulations

Chemical Name	State Lists
Hydrogen Peroxide 7722-84-1	NJ, MA, PA
Phosphoric Acid 7664-38-2	MA, NJ, PA

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances

CAP65- California Prop65

FL- Florida Substances List

ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminant- Carcinogenic

MA- Massachusetts Right to Know List

MN- Minnesota Hazardous Substances List

NJ- New Jersey Right to Know List

PA- Pennsylvania Right to Know List

RI- Rhode Island Hazardous Substances List

FIFRA Label Information:

This chemical is a pesticide product registered by the United States Environmental Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

Caution

Harmful if swallowed. Causes moderate eye irritation.

This product may be harmful to fish and aquatic invertebrates.

***16. OTHER INFORMATION**

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	Not determined

***Product AT USE DILUTION**

Health Hazard: 0

Flammability: 0

Physical Hazards: 0

Personal Protection: Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet