

# Safety Data Sheet

Issue Date 13-Jul-2012

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Version 1.0

## 1. IDENTIFICATION

### Product Identifier

Product Name Bright Solutions Eco Orange Oxy

### Other Means of Identification

Product Code BSL96220041/ BSL96220064/ BSL96220065T

### Recommended use of the Chemical and Restrictions on Use

Recommended Use Peroxide general cleaner. For industrial use.

### 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 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

Appearance Colorless

Physical State Liquid

Odor Orange

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Respiratory or skin sensitization	Category 1 Sub-category B
Hazardous to aquatic environment acute toxicity	Category 3

### Signal Word

Danger

### Hazard Statements

Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Harmful to aquatic life.



### Precautionary Statements - Prevention

Avoid breathing mist or spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Contaminated work clothing should not be allowed out of the work place.  
Avoid release to the environment.  
Wear protective gloves and eye protection.

### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash 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
Linear Primary Alcohol Ethoxylate	68439-46-3	10-30
Dipropylene Glycol Monomethyl Ether	34590-94-8	5-10
Hydrogen Peroxide	7722-84-1	1-5
d-Limonene	5989-27-5	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. Seek immediate medical attention/advice.

**Skin Contact**

Irritating to skin; may cause burns on extended contact. Immediately flush skin with running water for 15 minutes. If irritation persists, get medical attention.

**Inhalation**

Accidental inhalation is not likely. Inhalation of concentrated vapors of this product may cause irritation or burns. If breathing becomes difficult, remove to fresh air. If discomfort persists, get medical attention.

**Ingestion**

Harmful if swallowed. Immediately drink large amounts of water and seek medical attention. Do NOT induce vomiting.

**Most Important Symptoms and Effects****Symptoms**

Contact with eyes may cause damage. Prolonged or repeated contact may dry skin and cause irritation or an allergic skin reaction.

**Indication of Any Immediate Medical Attention and Special Treatment Needed****Notes to Physician**

Treat symptomatically.

**Product AT USE DILUTION**

**Eye Contact:** May cause eye irritation. Rinse with water for a few minutes.  
**Skin Contact:** May cause skin irritation. Rinse with water for a few minutes.  
**Inhalation:** No special measures required. Treat symptomatically.  
**Ingestion:** Get medical attention if symptoms occur.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). 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 thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray.

**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, metals, salts, 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
Dipropylene Glycol Monomethyl Ether 34590-94-8	TWA: 100ppm	600 mg/m <sup>3</sup>	
Hydrogen Peroxide 7722-84-1	TWA: 1ppm	1.4 mg/m <sup>3</sup>	

**Appropriate Engineering Controls**

**Engineering Controls** Ventilation systems. Eyewash stations. Showers.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection** Splash goggles or safety glasses.

**Skin and Body Protection** Rubber, Nitrile, PVC, or other chemically resistant skin protection to prevent contact.

**Respiratory Protection** Ensure adequate ventilation, especially 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:** Wear glasses or goggles when exposure may occur.

**Skin and Body Protection:** Wear protective gloves when handling this product.

**Respiratory Protection:** No 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**

<b>Physical State</b>	Liquid	<b>Odor</b>	Orange
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Colorless		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	5.5-6.0		
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	1.01		
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	< 50 cps		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

**Product AT USE DILUTION****Physical State:** Liquid**Color:** Colorless**Odor:** Orange**pH:** 6.5-7.0**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, metals, salts, 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 or eye damage.**Skin Contact** May cause skin irritation or rash.**Inhalation** Avoid breathing vapors or mists.**Ingestion** Do not taste or swallow.**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Linear Primary Alcohol Ethoxylate 68439-46-3	= 2000 mg/kg	= 2000 mg/kg	-
Dipropylene Glycol Monomethyl Ether 34590-94-8	= 5180 mg/kg	= 9500 mg/kg	-
Hydrogen Peroxide 7722-84-1	= 1193 mg/kg	= 2000 mg/kg	-
d-Limonene 5989-27-5	= 5000 mg/kg	= 5000 mg/kg	-

**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.

Chemical Name	ACGIH	IARC	NTP	OSHA
None known				

**Legend****IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**Numerical Measures of Toxicity**

Not determined.

**Unknown Acute Toxicity**

None known.

**Product AT USE DILUTION**

No specific data available.

**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
Linear Primary Alcohol Ethoxylate 68439-46-3	-	7.25 mg/L (96hr)	-	5.5 mg/L (Daphnia 48hr)
Dipropylene Glycol Monomethyl Ether 34590-94-8	> 969 mg/L (Green alga 96 hr)	> 1000 mg/L (fathead minnow 96hr)	-	1919 mg/L (Daphnia 48hr)
Hydrogen Peroxide 7722-84-1	-	16.4 mg/L (fathead minnow 96hr)	-	2.4 mg/L (Daphnia 48hr)
d-Limonene 5989-27-5	-	0.61-0.79 mg/L (fathead minnow 96hr)	-	69.6 mg/L (Daphnia 48hr)

**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.

**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**

Not regulated.

**IMDG**

Not regulated.

**Product AT USE DILUTION****Not intended for transport.****15. REGULATORY INFORMATION****International Inventories**

Not determined

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical**Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances***US Federal Regulations****CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ethylene Oxide	10 lb.	10 lb.	RQ 10 lb. final RQ RQ 4.53 kg final RQ

**SARA 311/312 Hazard Categories**

Immediate (Acute) Health

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ethylene Oxide	75-21-8	< 0.001	

**CWA (Clean Water Act)**

None known.

**US State Regulations**

None known.

**U.S. State Right-to-Know Regulations**

Chemical Name	State Lists
Dipropylene Glycol Monomethyl Ether 34590-94-8	NJ, MA, PA
d-Limonene 5989-27-5	NJ, PA
Hydrogen Peroxide 7722-84-1	NJ, MA, PA
Ethylene Oxide 75-21-8	CAP65

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

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards****HMIS**

Not determined

Not determined

Not determined

Not determined

**Health Hazards****Flammability****Physical Hazards****Personal Protection**

3

0

1

Not determined

**Product AT USE DILUTION**

Health Hazard: 1

Flammability: 0

Physical Hazards: 0

Personal Protection: Not determined

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13-Jul-2012

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01-Feb-2015

Revision Note

New Format Version 1.0

**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**