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**Section 1. Product and Company Identification**

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**1.1 Product Identifier:** EnvirOx OxiFresh™ Odor Eliminator Concentrate

(and dilutions for Heavy Duty- 5 oz/gal, Moderate duty 2.5 oz/gal [50:1] &amp; Light Duty- 0.5 oz/gal)

**Product Number:** 115 (and in-use dilutions)**1.2 Recommended use of the chemical and restrictions on use:** A nuisance odor (of non-microbial origin) control for institutional, commercial, and industrial use.**1.3 Manufacturer/Supplier:**EnvirOx LLC  
1938 E. Fairchild St.,  
Danville, IL 61834-2327  
USA Tel 1-217-442-8596**1.4 Emergency Phone Number:**

ChemTel 800-255-3924, +1-813-248-0585

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**Section 2. Hazards Identification**

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**2.1 Classification of the substance or mixture (For Concentrate Only)****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Eye irritation (Category 2A), H319

**(NOTE: For Dilutions 5 oz/gal- Heavy Duty through 0.5 oz/gal- Light Duty**

This product, when diluted to 5 oz/gal or less, is not classified according to OSHA GHS regulations within the United States when used in well ventilated area, and where mists can be avoided from entering the breathing zone and eyes.)

**2.2 GHS Label elements, including precautionary statements (for Concentrate Only):****Pictogram****Signal Word: Warning****Hazard Statements:****H319 Causes Serious Eye Irritation****H303 May be harmful if swallowed****Precautionary Statements****P280 Wear protective gloves and eye protection****P305 + P351 + P338 If In Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.**P308 + P313. If exposed or concerned, Get medical advice/attention.****2.3 Other Hazards:** None known**2.4 Ingredients of Unknown Acute Toxicity:** None

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**Section 3. Composition & Information on Ingredients**

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**Components**

Chemical Name	CAS Number	**Weight %
Water	7732-18-5	60-100 %
Hydrogen Peroxide	7722-84-1	< 8 %
Alcohols, C6-C12, ethoxylated, propoxylated	68937-66-6	< 5 %
Alcohols, C10-C16, ethoxylated, propoxylated	69227-22-1	< 3 %
Polyethylene glycol	25322-68-3	< 1%

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## Section 4. First Aid Measures

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### 4.1 Description of first aid measures

**Inhalation:** Move person to fresh air. If person is not breathing, give artificial respiration, and seek medical attention, call 911.

**Skin Contact:** Wash off with plenty of water. Consult a physician if irritation occurs.

**Eye Contact:** Flush with water for at least 15 minutes. Remove contact lenses if present and easy to do so after the first 5 minutes and continue rinsing. Get medical attention.

**Ingestion:** Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur. Do not induce vomiting unless told to do so by a physician or a poison control center.

**4.2 Most important symptoms and effects, both acute and delayed:** Irritant to eyes. May be harmful if swallowed.

**4.3 Indication of any immediate medical attention and special treatment needed:** No data available.

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## Section 5. Fire Fighting Measures

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**5.1 Suitable extinguishing media:** Use Water spray, Carbon Dioxide (CO<sub>2</sub>), Dry Chemical, or Foam.

**Unsuitable extinguishing media:** Not determined.

**5.2 Special hazards arising from the substance or mixture:** Excessive or prolonged high temperature may decompose hydrogen peroxide to oxygen gas leading to pressure build-up in tightly sealed vessels.

**5.3 Advice for Fire Fighters:** Wear self-contained breathing apparatus (SCBA) for firefighting if necessary.

### 5.4 Further Information:

Hazardous Combustion Products: Normal products of combustion.

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## Section 6. Accidental Release Measures

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**6.1 Personal precautions, protective equipment and emergency procedures:** Surfaces will be slippery when wetted with this product. Wear protective clothing as described in Section 8 of this safety data sheet. Ensure adequate ventilation.

### 6.2 Environmental Precautions:

Prevent concentrated product from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information. See Section 12 for additional Ecological Information.

**6.3 Methods and material for containment and cleaning up:** Prevent concentrated product from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers. Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic. Small spills may be mopped-up.

### 6.4 References to Other Sections:

See section 13 for disposal considerations, Section 12 for additional Ecological Information, Section 8 for Personal Protective Equipment.

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## Section 7. Handling and Storage

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### 7.1 Precautions for safe handling:

Avoid contact of concentrated product with eyes. Avoid inhalation or eye contact with mist of diluted product. Provide adequate ventilation. Wear appropriate personal protective equipment. Always dilute concentrate with water before generating mists or aerosols.

### 7.2 Conditions for Safe Storage, including any incompatibilities

Do not allow to mix with bleach containing products. Do not mix with other products. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing with concentrated product. Protect from freezing. Avoid high temperatures. Best storage temperatures are between 35° F and 85° F. **Keep out of the Reach of Children.** Excessive or prolonged high temperature may decompose hydrogen peroxide to oxygen gas leading to pressure build-up in tightly sealed vessels.

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## Section 8. Exposure Control & Personal Protection

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### 8.1 Control Parameters

Components with workplace control parameters. Occupational Exposure Limits.

Component	CAS Number	ACGIH	OSHA	NIOSH/AIHA
Hydrogen Peroxide	7722-84-1	1 ppm TWA	1 ppm TWA (PEL)	1 ppm TWA (NIOSH REL)
Polyethylene glycol (aerosol)	25322-68-3			10 mg/m <sup>3</sup> TWA AIHA WEEL

### 8.2 Exposure Controls

#### Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Never directly aerosolize concentrate before diluting with water. Ensure adequate ventilation, especially in confined areas. Know location and distance from nearest eyewash station and showers when using the concentrated form of this product.

#### Personal protective equipment\*

**Eye protection:** Wear safety glasses or goggles to handle concentrated product (and for spills of concentrated product).

**Skin and Body protection:** Wear nitrile/rubber gloves (for concentrated product).

**Respiratory protection:** Under normal conditions, respirator is not normally required.

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

\*For diluted products ( $\leq 5$  oz/gal), barrier gloves and safety glasses are recommended, but not required under OSHA HCS.

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## Section 9. Physical and Chemical Properties

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Appearance:	Form: Liquid Color: Clear
Odor:	Apple
Odor threshold:	Not determined
pH value at 20 °C (68 °F):	5.0 $\pm$ 0.5
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	212 °F / 100 °C
Flash point:	Not applicable
Evaporation rate:	Not determined
Flammability (solid, gaseous):	Not applicable
Explosive Limits	Lower: Not applicable
Explosive Limits	Upper: Not applicable

Vapor Pressure:	17 mm Hg
Relative Density:	1.022
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
Viscosity:	Not determined
Explosive Properties:	Not an explosive
Oxidizing Properties:	Not determined

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## Section 10. Stability and Reactivity

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**10.1 Reactivity:** Not reactive under normal conditions.

**10.2 Chemical stability:** Stable under recommended storage conditions. Excessive or prolonged high temperature may decompose hydrogen peroxide to oxygen gas leading to pressure build-up in tightly sealed vessels. Allow to vent if prolonged high temperatures cannot be avoided.

**10.3 Possibility of hazardous reactions:** None under normal processing.

**10.4 Conditions to avoid:** Keep out of reach of children. Keep from freezing. Avoid storage temperatures  $> 85^\circ$  F, see 10.2.

**10.5 Incompatible materials:** Avoid mixing with other products. Do not mix or use with bleach containing products (sodium or potassium hypochlorite).

**10.6 Hazardous decomposition products:** Normal products of combustion, and see 10.2.

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## Section 11. Toxicological Information

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### 11.1 Information on Toxicological effects

#### Information on likely routes of exposure:

**Ingestion:** May be harmful if swallowed (Category-5 oral toxicity). Expected to be a low ingestion hazard.

**Inhalation:** Inhalation may be harmful. Calculated Inhalation Toxicity >25 mg/l for concentrate. See below measures of toxicity.

**Dermal/Skin contact:** Avoid direct contact with skin (concentrate). Avoid prolonged contact with skin (diluted product). May cause skin irritation in sensitive persons with local redness.

**Eye Contact:** Causes serious eye irritation (Concentrate). Mild irritation is expected for diluted product.

**Germ Cell Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific Target Organ Toxicity** -single exposure: Not Classified.

**Specific Target Organ Toxicity** -repeated exposure: Not Classified

**Aspiration Hazard:** Not an aspiration hazard.

**Chronic Effects:** Prolonged inhalation may be harmful.

**Component Information:** see section 3.

**Symptoms related to the physical, chemical and toxicological characteristics – Symptoms:** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects and also chronic effects from short and long-term exposure:** no immediate effects known, unless otherwise noted. Not classifiable as a human carcinogen.

**Numerical measures of toxicity:** 7722-84-1 hydrogen peroxide Acute Oral LD<sub>50</sub> 376 mg/kg (rat); Inhalation LC<sub>50</sub>/4 hr 2.0 mg/l (rat).

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## Section 12. Ecological Information

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### Ecotoxicity:

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and Degradability:** The surfactants in this product are biodegradable.

**Bioaccumulation:** Not determined.

**Mobility in Soil:** Not determined.

**Other adverse effects:** Not determined.

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## Section 13. Disposal Considerations

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### 13.1 Waste Treatment Methods

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Small containable spills may be simply diluted with water and mopped-up.

**Contaminated packaging:** Disposal should be in accordance with applicable regional, national and local laws and regulations. Triple rinse recyclable containers prior to disposal.

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**Section 14. Transport Information**

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UN number (DOT, IMDG, IATA):	Not applicable.
UN proper shipping name (DOT, IMDG, IATA):	Not applicable.
Transport hazard class(es) (DOT, IMDG, IATA):	Not applicable.
Packing group (DOT, IMDG, IATA):	Not applicable.
Environmental hazards: <b>Marine pollutant (Yes/No):</b>	No
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
Special precautions for user:	Not applicable.

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**Section 15. Regulatory Information**

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**Safety, health, and environmental regulations/legislation specific for the substance or mixture: United States (USA) SARA**

Section 355 (extremely hazardous substances):	None of the ingredients are listed.
Section 313 (specific toxic chemical listings):	None of the ingredients are listed.
TSCA (Toxic Substances Control Act):	All ingredients are listed.

**Proposition 65 (California):**

Chemicals known to cause cancer:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients are listed.
Chemicals known to cause developmental toxicity:	None of the ingredients are listed.

**Carcinogenic Categories:**

EPA (Environmental Protection Agency):	None of the ingredients are listed.
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**U.S. State Right-to-Know Regulations:** This product contains the following substances regulated under applicable state right-to-know regulations.

**Rhode Island, New York, California:** This product does not contain 1,4-dioxane (CAS 123-91-1) > 1 ppm.

Chemical Name	State List
Hydrogen Peroxide 7722-84-1	MA, NJ, PA, RI, CA

AZ – Arizona Ambient Air Quality Guidelines

CT – Connecticut Hazardous Air Pollutants

CA – California Director's List of Hazardous Substances

CAP65 – California Prop 65

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

**Pennsylvania Right to Know Components:**

Alcohols, C6-C12, ethoxylated, propoxylated (CAS 68937-66-6)

Alcohols, C10-C16, ethoxylated, propoxylated (CAS 69227-22-1)

3-Methoxy-3-methylbutan-1-ol (CAS 56539-66-3)

**New Jersey Right to Know Components:**

Water (CAS 7732-18-5)

Alcohols, C6-C12, ethoxylated, propoxylated (CAS 68937-66-6)

Hydrogen peroxide (CAS 7722-84-1)

Alcohols, C10-C16, ethoxylated, propoxylated (CAS 69227-22-1)  
3-Methoxy-3-methylbutan-1-ol (CAS 56539-66-3)

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## Section 16. Other Information

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This product meets Green Seal's requirements for skin and eye irritation when diluted according to the label instructions.

**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.

Note that the affixed product labels in the market place, distribution and channels of trade may not yet reflect changes made to the SDS. Use the most current Safety Data Sheet for safety, health, and environmental considerations.

### Keep Out of Reach of Children.

Legend:

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

**DSL/NDSL** - 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

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End of Safety Data Sheet