



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: Oxigenesis™ Disinfectant RTU-122

Product Code: 122

Product Registration Number: 69268-4

Recommended use of the chemical and restrictions on use:
Disinfectant Cleaner. For industrial use.

Manufacturer/Supplier:

EnvirOx LLC P.O. Box 2327, 1938 E. Fairchild St., Danville, IL
61834-2327 USA Tel 1-217-442-8596

Emergency Phone Number:

Chem Tel Inc. 800-255-3924, +1-813-248-0585

SECTION 2 –HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS). This product is not classified as a Hazardous Chemical (or mixture) under OSHA §1910.1200 GHS

GHS Label elements, including precautionary statements

Pictogram: None Required

Signal Word – None Required

Hazard Statements: None Required

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical Name	CAS Number	Weight %
Water	7732-18-5	90-100 %
Hydrogen Peroxide	7722-84-1	1 %
Surfactant Package**	Various	< 1 %

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.

SECTION 4 – FIRST-AID MEASURES

Description of first aid measures

Inhalation: Move person to fresh air if irritation occurs. Consult a physician if breathing difficulty persists. If person is not breathing, give artificial respiration, and seek medical attention, call 911.

Skin Contact: Where irritation occurs in sensitive individuals: Wash off with plenty of water. Consult a physician if irritation continues. Wear barrier gloves to avoid recurrence.

Eye Contact: Where irritation occurs: 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 advice if irritation persists.

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

Most important symptoms and effects, both acute and delayed:

Inhalation (of lingering aerosols) may cause respiratory irritation. [Avoid breathing mist by directing nozzle away from user, and use in a well ventilated area.] Prolonged or repeated exposure to bare skin can remove natural skin oils and/or may produce slight irritation in sensitive individuals. Wash off, and wear barrier gloves if irritation occurs. This product is minimally irritating to the eyes and may cause slight irritation to the skin.

Indication of any immediate medical attention and special treatment needed:

Treat systematically. May aggravate pre-existing skin disorders. For sensitive persons, wear barrier gloves.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use Water spray, Carbon Dioxide (CO₂), Dry Chemical, or Foam.

Unsuitable extinguishing media: none

Special hazards arising from the substance or mixture: None known.

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

Further Information

Hazardous Combustion Products: Normal products of combustion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures: Spills may simply be soaked up with a damp mop and bucket. Avoid splashing in face or eyes during clean-up. It is recommended to wear eye protection and barrier gloves during clean-up of large spills with splash potential.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12 for additional Ecological Information. See Section 13, Disposal Considerations, and for additional information. Contact the local POTW Publicly Owned Treatment Works (local water utility) before disposing of large quantities.

Methods and material for containment and cleaning up: Prevent 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. Allow to dry before permitting traffic. Small spills of this material can simply be mopped up using conventional mop and bucket.

References to Other Sections: See section 13 for disposal considerations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: For skin sensitive individuals, avoid prolonged direct contact with skin or wear barrier gloves. Avoid getting mist in eyes. Avoid inhalation of mist. Provide adequate ventilation. Wear appropriate personal protective equipment if ventilation is inadequate to prevent lingering mist.

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 as recommended in Section 8. Protect from freezing. Avoid high temperatures. Best storage temperatures are between 35° F and 85° F. As with all disinfecting products: **Keep out of Reach of Children.**

Specific End Uses: Institutional Disinfectant

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components with workplace control parameters. Occupational Exposure Limits.

Component	CAS Number	ACGIH	OSHA	NIOSH
Hydrogen Peroxide	7722-84-1	1 ppm TWA	1 ppm TWA (PEL)	1 ppm TWA (REL)
Phosphoric Acid	7664-38-2	1 mg/m ³ TWA/ 3 mg/m ³ STEL	1 mg/m ³ TWA (PEL)	1 mg/m ³ TWA/ 3 mg/m ³ STEL

Exposure Controls

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Good general room ventilation (in open spaces) should be adequate under normal conditions of use.

Personal protective equipment:

No special PPE is required under normal conditions of use (where mist is kept out of face and eyes of user). However, barrier protection for hands is recommended for instances where prolonged skin contact could occur in sensitive persons.

Eye protection: Not required if well-ventilated, and mist can be avoided.**

Skin and Body protection: Not normally required unless prolonged skin contact cannot be avoided. Nitrile/rubber gloves are recommended, but not required. Any water barrier glove is suitable for sensitive persons.**

Respiratory protection: Under normal conditions of use, a respirator is not normally required. Use in well ventilated area to avoid lingering mists and direct nozzle away from persons.

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

**EnviroX recommends that barrier eye and hand protection be used when applying any cleaner, sanitizer, or disinfectant, but it is not required for this product under GHS (OSHA).

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form: Liquid Color: Clear
Odor:	None
Odor threshold:	Not determined
pH value at 20 °C (68 °F):	2-3
Melting point/Melting range:	32 °F / 0 °C
Boiling point/Boiling range:	212 °F / 100 °C
Flash point:	Not applicable
Evaporation rate:	(as water)
Flammability (solid, gaseous):	Not applicable
Explosive Limits	Lower: Not applicable
Explosive Limits	Upper: Not applicable

Vapor density:	Not determined
Relative Density:	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
Viscosity:	Not determined
Explosive Properties:	Not an explosive
Oxidizing Properties:	Not determined

SECTION 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: Avoid mixing with other products. Do not mix or use with bleach containing products (sodium or potassium hypochlorite).

Hazardous decomposition products: Normal products of combustion.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological effects**Information on likely routes of exposure:**

Ingestion: None under normal use. Do not drink. (Acute oral > 5,000 mg/kg)

Inhalation: None under normal use. Prolonged inhalation may be harmful. (Acute inhalation >2,000 mg/kg)

Dermal/Skin contact: Avoid prolonged contact with skin or use barrier glove protection. (> 5,000 mg/kg)

Eye Contact: None under normal use. Avoid contact with eyes. May cause eye irritation. Use safety glasses if mist cannot be avoided. "Minimally irritating to the eye."

Skin & Respiratory Sensitization: No signs for sensitization were reported in Toxicology studies and none were anticipated from the ingredients.

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, or any of its components, 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. Avoid inhalation.

Component Information: See section 3.

Symptoms related to the physical, chemical and toxicological characteristics – Symptoms: minimal eye irritation (epiphora, conjunctivitis), slight skin irritation (erythema, pruritis), respiratory irritation (tussis). Please see section 4 of this SDS for more information.

SECTION 12 - ECOLOGICAL INFORMATION

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. See Section 13.

Persistence and Degradability: No data is available on the degradability of the product. However, each component occurs on the EPA's Safer Choice/Designed for Environment listing.

Bioaccumulation: Not expected for any of the components of this product.

Mobility in Soil: Not determined.

Other adverse effects: Not determined.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. For additional information, contact the local POTW Publicly Owned Treatment Works (the local water utility) before disposing of large quantities.

Contaminated packaging: Triple rinse used containers and recycle/dispose in accordance with applicable regional, national and local laws and regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT: Not regulated.

IATA: Not regulated.

IMDG: Not regulated.

SECTION 15 - REGULATORY INFORMATION

International Inventories: Not determined.

US Federal Regulations

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazards:

SARA 313: This material does not contain any chemical components that exceed the threshold (*De Minimis*) reporting levels established by SARA Title III, Section 313.

POTW information:

[Publicly Owned Treatment Works (the local water utility)] Total phosphorus content is < 0.03% by weight (<0.3 mg/L).

US State Regulations

California Proposition 65: The product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

U.S. State Right-to-Know Regulations: This product contains the following substances regulated under applicable state right-to-know regulations.

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

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.

This is a Category IV product for Acute Toxicity under EPA FIFRA.

Keep Out of Reach of Children

SECTION 16 - OTHER INFORMATION

Standard	Health Hazard Rating (Chronic *)	Flammability/Fire Hazard	Reactivity/Physical Hazard	Special-NFPA, Personal Protection-HMIS
NFPA	1	0	0	NA
HMIS	1	0	0	

Normal conditions of use entails, as directed on label: where nozzle is directed at arm's length away from user under adequate ventilation conditions, such that mist/aerosols can be avoided in the breathing zone of the user. Normal room ventilation is considered adequate.

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.

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

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End of Safety Data Sheet