

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bio-Oxygen® Carpet- Part B

GENERAL USE: Cleaning applications. This product is intended to be diluted prior to use. For further information refer to the product Label or technical datasheet. Uses other than those identified are not recommended.

PRODUCT DESCRIPTION: Hygienically Cleans Carpet when used with Bio-Oxygen® Carpet- Part A

PRODUCT CODE: 23086

MANUFACTURER

Artemis Bio-Solutions, LLC
14505 Torrey Chase Blvd Suite 205
Houston, TX 77014, USA

Emergency Contact: INFOTRAC

Emergency Phone: 1(800) 535-5053

Alternate Emergency Phone: 1(352) 323-3500

Customer Service : 1 (630) 359-4090

E-Mail: info@artemisbiosolutions.com

24 HR. EMERGENCY TELEPHONE NUMBERS

AAPCC Poison Help: (800) 424-9300

CANUTEC (Canadian Transportation): (613) 996-6666

INFOTRAC (US Transportation) : (800) 535-5053

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2

Eye Irritation, Category 1

Environmental:

Aquatic Toxicity, Category 0

GHS LABEL



Corrosion

SIGNAL WORD: WARNING, DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage

H315: Causes skin irritation.

PRECAUTIONARY STATEMENTS

Prevention:

P264: Wash ... thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P363: Wash contaminated clothing before reuse.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice/attention.

Storage:

P402+P404: Store in a dry place. Store in a closed container.

Disposal:

P501: Dispose of contents and container in accordance with local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Hydrogen Peroxide	7 – 7.99	7722-84-1

COMMENTS: Formulation is based on weight % 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.

4. FIRST-AID MEASURES

First Aid Measures

- Eye Contact:** Immediately flush eyes with plenty of water for 15 minutes. Get medical attention if irritation persists.
- Skin Contact:** Remove contaminated clothing and shoes. Skin will turn white on contact. Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.
- Ingestion:** Give victim a glass of water. Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

- Eyes:** Adverse symptoms may include pain or irritation, watering, and redness. Can cause serious eye damage.
- Skin:** Adverse symptoms may include irritation and redness.
- Ingestion:** Adverse symptoms may include nausea and vomiting.
- Inhalation:** Adverse symptoms may include respiratory tract irritation and coughing.

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Flammable Class:** NA = Not Applicable.
- General Hazard:** Product is not combustible or an explosive.
- Suitable Extinguishing Media:** Water or water spray.
- Fire Fighting Procedures:** Promptly remove all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Fire Fighting Equipment:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Increases the flammability of combustible, organic and readily oxidizable materials.
- Fire Explosion:** Heating may cause an explosion.
- Hazardous Decomposition Products:** On decomposition, product releases oxygen which may intensify fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Wear protective gloves/protective clothing/eye protection/face protection.

Environmental Precautions: Water Spill: Avoid dispersal of spilled material and runoff and contact with waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers or waterways).

Methods and material for containment and cleaning up

General Procedures: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

Procedures: Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods for Clean-Up: Small Spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop if water-soluble. Alternately, or if water-soluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spill: Dike area to contain spill. Wash the spill site with water. See section 13, Disposal considerations, for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling: Use only in a well-ventilated area.

Do not get in eyes. Do not swallow. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. See section 8, Exposure Controls and Personal Protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Store in accordance with local regulations. Store in a segregated and approved area in original container protected from sunlight in a dry, cool and well-ventilated and approved area away from incompatible materials. Keep container closed to prevent drying out. Move container away from oxidizing materials. Use appropriate containment to avoid environmental contamination.

Storage Temperature: Store in a cool place below (140) F (60) C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Engineering Controls: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Individual protection measures, such as personal protective equipment

Eye/Face Protection *Distribution, Workplace and Household Settings:*
No special protective equipment required.

Hand Protection	<p><i>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</i> Use appropriate eye protection,</p> <p><i>Distribution, Workplace and Household Settings:</i> No special protective equipment required</p> <p><i>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</i> Protective gloves</p>
Skin and Body Protection	<p><i>Distribution, Workplace and Household Settings:</i> No special protective equipment required</p> <p><i>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</i> Wear suitable protective clothing</p>
Respiratory Protection	<p><i>Distribution, Workplace and Household Settings:</i> No special protective equipment required</p> <p><i>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</i> In case of inadequate ventilation wear respiratory protection</p>
General Hygiene Considerations	<p>Handle in accordance with good industrial hygiene and safety practice.</p>

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>
Physical State:	Liquid
Odor:	Odorless
Odor Threshold:	Not Yet Determined
Appearance:	Clear, odorless, transparent liquid
Color:	Colorless
pH:	1 to 2
Percent Volatile:	0
Flash Point and Method:	NA = Not Applicable
Flammable Limits:	N/A to N/A
Autoignition Temperature:	Not Yet Determined
Vapor Pressure:	20 mm Hg at 20°C (68°F)
Vapor Density:	1.08 lb/ft ³
Boiling Point:	100°C (212°F)
Freezing Point:	-2°C (25°F)
Melting Point:	-2°C (25°F)
Thermal Decomposition:	Not Determined
Solubility in Water:	Completely soluble in water
Evaporation Rate:	1
Density:	8.7 at 20°C (68°F)
Specific Gravity:	1.04 to 1.060 at 20°C (68°F)
Viscosity:	Not Yet Determined
(VOC):	None

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under ordinary conditions of use and storage.
Possibility of Hazardous Reactions:	None expected under ordinary conditions.
Hazardous Polymerization:	Product will not undergo polymerization.
Conditions to Avoid:	Keep out of reach of children.
Incompatible Materials:	Heavy metal ions, excessive alkalis, and combustible materials.
Hazardous Decomposition Products:	Oxygen which supports combustion.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact:	Causes serious eye irritation.
Skin Contact:	Contact of the skin with hydrogen peroxide may cause skin irritation.
Carcinogenicity:	IARC: Group 3 IARC components are not classified as a human carcinogen. NTP: Not classified as a human carcinogen. OSHA: Not classified as a human carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

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

Bioaccumulation:

Not Yet Determined.

Environmental Data:

No environmental data has been collected for this product.

AQUATIC TOXICITY (ACUTE):

96-HOUR LC50: 16.4 mg/l- Pimephales promelas

48-HOUR EC50: 18-32 mg/l- Water Flea (Daphnia magna)

Notes: Toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes:	Dispose in accordance with all local, state, and federal regulations.
For Large Spills:	Do not allow product to reach sewage system.
Product Disposal:	Disposal must be made according to official regulations.
Contaminated Packaging	Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.



Bio-Oxygen[®] Carpet- Part B

SAFETY DATA SHEET | OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Date Prepared: 07/07/2020

SDS No: ABOCPB

14. TRANSPORT INFORMATION

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

DOT Proper Shipping Name: Not Regulated

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

IATA Not regulated

IMDG Not regulated, NOTE: This material may meet the definition of a marine pollutant.

15. REGULATORY INFORMATION

UNITED STATES

SARA Title III (Superfund Amendments And Reauthorization Act)

311/312 Hazard Categories: Not hazardous

313 Reportable Ingredients Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986

(SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)

CERCLA RQ: 1,000 lbs

TSCA (Toxic Substance Control Act)

TSCA Status: Some ingredients are listed on the TSCA chemical substance inventory.

Chemical Name	CAS
Hydrogen Peroxide	7722-84-1

REGULATIONS

State Regulations: Not yet Determined

16. OTHER INFORMATION

NFPA	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties OX
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Issue Date: 15-Oct-2015

Revision Date: 07-July-2020

Revision Note: New format

Disclaimer

While reasonable care has been taken to ensure the accuracy and completeness of the information regarding the material described herein, it is the purchaser's responsibility to ensure the suitability of such information as it applies to the purchaser's intended use of the material. Artemis Bio Solutions assumes no responsibility resulting from the use of this SDS.