

SAFETY DATA SHEET

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Date Prepared : 07/21/2016
SDS No BOSCPB

Bio-Oxygen Part B

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bio-Oxygen Part B

GENERAL USE: High Level Decontaminate/ Bio remediation/Neutralization of chemical /biological toxins Part B (2 part system)

PRODUCT DESCRIPTION: High Level Decontaminate when combined with Part A

PRODUCT CODE: 23061

ALTERNATE TRADE NAME(S): Bio-Oxygen Part B

MANUFACTURER

Solvent Systems International

70 King Street

Elk Grove Village, IL 60007

Emergency Contact: Steve Rundell

Emergency Phone: 1(847) 437-1100

Alternate Emergency Phone: 1(800) 835-5774

Customer Service: 1(847) 437-1100

E-Mail: srundell@solvent-systems.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2

Eye Irritation, Category 1

Environmental:

Aquatic Toxicity, Category 0

GHS LABEL



Corrosion



Exclamation
mark

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

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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

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention, if irritation persists.

SKIN: 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.

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.

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.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not Applicable

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

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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.

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).

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

SPECIAL PROTECTIVE EQUIPMENT: Wear protective gloves/protective clothing/eye protection/face protection.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use only in a well ventilated area.

HANDLING: 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.

STORAGE: 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 away from heat sources and direct sunlight. Ideal storage temperature is 60-68F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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. Refer to "Industrial Ventilation" by ACGIH for a manual of recommended practices

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

SKIN: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

RESPIRATORY: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the approved respirator. Selection of air-purifying or positive-pressure supplied air, will depend on the specific operation and the potential airborne concentration of the material. Use NIOSH approved Respirator with an OV/P100 cartridge.

PROTECTIVE CLOTHING: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE: Liquid
ODOR: Odorless
ODOR THRESHOLD: Not yet Determined
APPEARANCE: Clear, colorless, 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/ft³
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: 8.6 at 20°C (68°F)
SPECIFIC GRAVITY: 1.03 to 1.040 at 20°C (68°F)
VISCOSITY: Not yet Determined
(VOC): None

10. STABILITY AND REACTIVITY

REACTIVITY: Normally reactive if handled properly
HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.
STABILITY: Stable under ordinary conditions of use and storage.
CONDITIONS TO AVOID: Keep out of reach of children.
POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxygen which supports combustion.
INCOMPATIBLE MATERIALS: Heavy metal ions, excessive alkalis, and combustible materials.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Causes serious eye irritation
SKIN EFFECTS: 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.

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No environmental data has been collected for this product.

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

BIOACCUMULATION/ACCUMULATION: Not yet Determined

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

DISPOSAL METHOD: 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.

EMPTY CONTAINER: 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.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

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.

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated

VESSEL (IMO/IMDG)

SHIPPING NAME: 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)

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Hydrogen Peroxide	7722-84-1

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

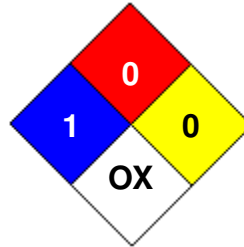
REGULATIONS

STATE REGULATIONS: Not yet Determined

16. OTHER INFORMATION

Date Prepared: 07/21/2015

NFPA CODES



MANUFACTURER 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. Solvent Systems International assumes no responsibility resulting from the use of this SDS.