

Material Safety Data Sheet

Section 1 – Identification

1.1 Product Name	<i>MediaBox Buffered Peptone Water (ISO) broth</i>
1.2 Catalog Number	<i>68- C00010 (5L), 68-C00011 (10L), 68-C00012 (20L) 68-C02010 (1L), 68-C02015 (500mL)</i>
1.3 Manufacturer Address	Microbiology International 5350 Partners Court Frederick, MD 21703
1.4 Phone	301-662-6835
1.5 Fax	301-662-8096
1.6 Emergency Phone	1-800-396-4276
1.7 Recommended Use	Use of the substance/preparation: For the cultivation of a wide variety of microorganisms. – Conforms to USP/EP/JP requirements. Conforms to FDA/BAM formulation. Use advised against: No information available

Section 2 – Hazard(s) Identification

2.1 Hazard Description: This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, 88/379/EEC, and 67/546/EEC.

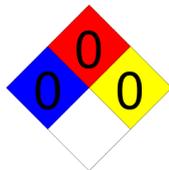
2.2 Classification System: Classification of the substance or mixture
Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Not classified as hazardous for supply
Classification (67/548/EEC, 1999/45/EC) (OSHA 29 CFR 1910.1200)
- Not classified as hazardous for supply

Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 15.

2.3 Label Elements:

NFPA ratings (scale 0-4)

Health = 0
Fire = 0
Reactivity = 0
- Symbols: *none*



Signal Word: None

Hazard phrases

None

Precautionary Phrases

*Keep container tightly closed.
Do not breathe dust.
Do not get in eyes, on skin, or on clothing.*

Other hazards

*Mildly irritating to skin and eyes
Mildly irritating to respiratory system*

Section 3 – Composition/ Information on Ingredients

3.1 Substances

3.2 Mixtures:

This product does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200

Section 4 – First Aid Measures

4.1 General Information:

In case of doubt, or when symptoms persist, seek medical attention.
 In general, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and common sense.

Inhalation:

If breathing is difficult, remove victim to fresh air and keep comfortable for breathing.

Skin Contact:

Remove contaminated clothing.
 Wash affected area with plenty of soap and water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Contaminated clothing should be laundered before reuse.

Ingestion:

Rinse mouth with water (do not swallow).
 Never make an unconscious person vomit or drink fluids.

Eye Contact:

If medical advice is needed, have product container or label at hand.
 If substance has gotten into eyes, immediately wash out with plenty of water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids
 Seek medical advice if necessary.

Doctor Information:

Show this sheet.

4.2 Most Important Symptoms Both Acute And delayed

The most important known symptoms are described in the labeling (see Section 2.2) and/or in Section 11.

4.3 Indication of any Immediate Medical Attention and special Treatment needed

Treat symptomatically.

Section 5 – Fire Fighting Measures

5.1 Suitable Extinguishing Media

In case of fire: use foam, Carbon Dioxide- CO₂, or dry agent for extinction.

5.2 Protective Equipment

- Smoke from fires is toxic. Take precautions to protect personnel from exposure.
- Decomposition products may include carbon oxides, nitrogen, and hydrogen chloride.
- May form explosive dust/air mixtures.
- See Section 10.

5.3 Advice for Firefighters

- Keep container(s) exposed to fire cool, by spraying with water
- Wear chemical protection suit and positive-pressure breathing apparatus
- Wear protective clothing as per section 8

5.4 Additional Provisions

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

Section 6 – Accidental Release Measures

6.1 Personal Precautions	Shut off all sources of ignition and ventilate spill area. Use non-sparking hand tools. Accidental release measures (continued). Avoid raising fumes, Remove contaminated clothing. Wear protective clothing as per section 8. Wash thoroughly after dealing with spillage.
6.2 Environmental Precautions	Do not allow to enter public watercourses or public sewers. Avoid scattering in the environment.
6.3 Methods for Clean Up	Absorb spillage in inert material and shovel up - Place in sealable container - Seal containers and label them - Seek expert advice for removal and disposal of all contaminated materials and wastes - Ventilate the area and wash spill site after material pick-up is complete.
6.4 Reference to Other Sections	See Section 7 for storage. For disposal, see Section 13.

Section 7 – Handling and Storage

7.1 Safe Handling	<ul style="list-style-type: none"> - Avoid contact with skin and eyes. - Do not eat, drink, or smoke when using this product. - Ensure adequate ventilation. - Eyewash bottles should be available. - Wash hands thoroughly after using this substance.
7.2 Conditions for safe storage, including any incompatibilities	<ul style="list-style-type: none"> - Store in a well-ventilated place. Keep container tightly closed. - Store in a dry place. - Keep away from oxidizing substances. - Store in a cool, dry condition in well-sealed receptacle, not exceeding 30°C/ 86°F.
7.3 Specific end use(s)	For the non-selective pre-enrichment of Salmonella sp. from food. Conforms to FDA/BAM formulation.

Section 8 – Exposure Controls/ Personal Protection

8.1 Control Parameters	This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
8.2 Exposure Controls	<ul style="list-style-type: none"> -Eyewash bottles should be available -Engineering controls should be provided to prevent the need for ventilation -No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask, N95 (US) or type FFP1 (EN143) dust masks. The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded. -Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374. -In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. -Wear safety glasses approved to standard for NIOSH (US) or EN 166. -Wear suitable protective clothing. -Gloves, Safety Glasses, Lab Coat.

8.3 Respiratory Protection

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances. The facility manager has to ensure that maintenance, cleaning and testing of respiratory protective devices are performed according to the instructions of the producer. These measures have to be properly documented.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

- **Appearance:** Straw color
- **Physical State at 20°C:** Liquid
- **Odor:** No information available
- **pH:** 7.0 ± 0.2
- **Melting Point/Range:** No information available
- **Boiling Point/Range:** Not determined.
- **Flashpoint:** No information available
- **Evaporation Rate:** No information available
- **Flammability:** No information available
- **Density:** No information available
- **Vapor Pressure:** No information available
- **Vapor Density:** No information available
- **Specific Gravity:** No information available
- **Solubility in water:** No information available
- **Partition Coefficient (n-Octanol/Water):** No information available
- **Autoignition Temperature:** Product is not self-igniting
- **Viscosity:** No information available
- **Explosive Properties:** Product does not present an explosion hazard
- **Oxidizing Properties:** No information available

9.2 Other information - No information available.

Section 10 – Stability and Reactivity

10.1 Reactivity

No information available.

10.2 Chemical Stability

Considered stable under normal conditions of storage, handling and use.

10.3 Possibility of Hazardous Reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to Avoid

Keep away from heat and sources of ignition. Keep away from heat and sources of ignition.

10.5 Incompatible Materials

Incompatible with strong acids and oxidizers.

10.6 Hazardous Decomposition Products

Chlorine, Phosphorus oxides, and Carbon dioxide.

Section 11 – Toxicological Information

11.1 Information on Toxicological Effects

Contact with skin May cause redness and irritation in sensitive individuals.

Contact with eyes May cause redness and irritation in sensitive individuals.

Ingestion May cause irritation of the throat

Inhalation May cause coughing

Carcinogenicity No evidence of carcinogenic effects

Carcinogens Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in OSHA standard 1910.1003 Carcinogens.

Mutagenicity No evidence of mutagenic effects.

Teratogenicity No information available.

11.2 Experimental Test Data Available for the Mixture

No experimental test data available for the mixture.

Section 12 – Ecological Information

12.1 Toxicity

This product is slightly hazardous for water.

Toxicity to fish

LC50: Lepomis macrochirus (Bluegill) – 5,840 mg/L – 96 hours (Sodium Chloride)

To Daphnia and other aquatic invertebrates:

NOEC = 1,500mg/L – 7D

LC50: Daphnia magna (Water flea) – 1,661 mg/L – 48 hours

12.2 Persistence and Degradability

No Information Available

12.3 Bioaccumulation Potential

No Information Available

12.4 Mobility in Soil

No Information Available

12.5 Results of PBT & vPvB assessment

Not a PBT according to REACH Annex XIII

PBT/vPvB assessment not available.

12.6 Additional Toxicological Information

To the best of our knowledge, the properties of this material have not been fully evaluated - On available data; substance is not harmful to the environment.

Section 13 – Disposal Considerations

13.1 Waste Disposal

Dispose in accordance with all applicable federal, state, and local environmental regulations. If any questions arise, contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Relatively unreactive organic reagents should be collected in container A. If halogenated, they should be collected in container B. For solid residues use container C.

13.2 Classification (REACH)

Waste Codes in accordance with the European Waste Catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

Section 14 – Transport Information

14.1 UN Number

Not classified as hazardous for transport

14.2 UN Proper Shipping Name

- Not applicable

14.3 Transport hazard class(es)

- Not applicable

14.4 Packing group

- Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- Not Classified

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not Classified

14.8 DOT

- Proper Shipping Name: Not applicable

- DOT UN No.: Not applicable

- DOT Hazard Class: Not applicable

- DOT Packing Group: Not applicable

14.9 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable

- ADR UN No.: Not applicable

- ADR Hazard Class: Not applicable

- ADR Packing Group: Not applicable

- Tunnel Code: Not applicable

14.10 Sea (IMDG)

- Proper Shipping Name: Not applicable

- IMDG UN No.: Not applicable

- IMDG Hazard Class: Not applicable

- IMDG Pack Group.: Not applicable

14.11 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable

- ICAO Un No.: Not applicable

- ICAO Hazard Class: Not applicable

- ICAO Packing Group: Not applicable

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006- 453/2010 and OSHA Hazard Communication Standard 29 CFR 1910.1200.

Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

15.2 Chemical Safety Assessment

No information available

15.3 United States Regulatory Information

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: The material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312

No SARA Hazards

15.4 US State Regulations

Massachusetts Sodium phosphate dibasic CAS No. 7558-79-4

Pennsylvania Sodium phosphate dibasic CAS No. 7558-79-4

New Jersey Sodium phosphate dibasic CAS No. 7558-79-4

Section 16 – Other Information

Date of Preparation: 05December2018

Revision: Rev. (1-10)

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EU) N° 453/2010, Regulation (EC) N° 2015/830). This document is believed to be correct, and shall be used only as a guide. These suggestions should not be confused with state, municipal or insurance requirements, and constitute No Warranty. Microbiology International shall not be held liable for any damage resulting from handling or from contact with the above product. Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Manufactured by:



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REV	Description of Change	Approved by	Effective Date