

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

- 1.1. Product identifier
 - 1.1.1. Product Name: Neutralizing Buffered Peptone Water, Prepared
 - 1.1.2. Product Number: B610-25, V610-10
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
 - 1.2.1. Use of the substance/preparation: For the non-selective pre-enrichment of *Salmonella* spp. from food. Conforms to USDA FSIS formulation.
 - 1.2.2. Use advised against: No information available
- 1.3. Company information
 - 1.3.1. Manufacturer: Millennium LifeSciences, Inc.
 - 1.3.2. Address: 970 E. Orangethorpe Ave. Unit A
Anaheim, CA 92801
 - 1.3.3. Phone: 714.773.1726
 - 1.3.4. Emergency phone: 714.773.1726
 - 1.3.5. Email: info@mlscmc.com

SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1. Classification of the substance or mixture
 - 2.1.1. Classification: (REGULATION (EC) No 1272/2008) [CLP/GHS]
 - 2.1.2. Not classified as hazardous for supply
 - 2.1.3. Classification (29 CFR 1910.1200)
 - 2.1.4. Not classified as hazardous for supply
 - 2.1.5. Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16.
- 2.2. Label elements
 - 2.2.1. Signal word: None
 - 2.2.2. Symbols: None
 - 2.2.3. Hazard phrases: None
 - 2.2.4. Precautionary phrases
 - 2.2.4.1. Keep container tightly closed
 - 2.2.4.2. Do not get in eyes, on skin, or on clothing
- 2.3. Other hazards:
 - 2.3.1. May cause minor irritation of the eyes and skin.
 - 2.3.2. May cause minor irritation 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

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SECTION 4: FIRST-AID MEASURES

- 4.1. First-aid measures**
 - 4.1.1. Contact with skin**
 - 4.1.1.1.** 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.
 - 4.1.2. Contact with eyes**
 - 4.1.2.1.** 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.
 - 4.1.3. Ingestion**
 - 4.1.3.1.** If swallowed, wash mouth out with water provided person is conscious. Seek medical attention immediately.
 - 4.1.4. Inhalation**
 - 4.1.4.1.** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- 4.2. Most important symptoms and effects, both acute and delayed**
 - 4.2.1.** May cause irritation
- 4.3. Indication of any immediate medical attention and special treatment needed**
 - 4.3.1.** Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

- 5.1. Suitable Extinguishing Media**
 - 5.1.1.** In case of fire: use foam, carbon dioxide or dry agent for extinction
- 5.2. Special hazards arising from the substance or mixture**
 - 5.2.1.** Smoke from fires is toxic. Take precautions to protect personnel from exposure
 - 5.2.2.** Decomposition products may include carbon oxides
 - 5.2.3.** May form explosive dust/air mixtures
 - 5.2.4.** See Section 10
- 5.3. Recommendations for firefighters**
 - 5.3.1.** Keep container(s) exposed to fire cool, by spraying with water
 - 5.3.2.** Wear chemical protection suit and positive-pressure breathing apparatus
 - 5.3.3.** Wear protective clothing as per section 8

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment, and emergency procedures**
 - 6.1.1.** Shut off all ignition sources
 - 6.1.2.** Use non-sparking hand tools
 - 6.1.3.** Avoid raising dust
 - 6.1.4.** Remove contaminated clothing
 - 6.1.5.** Wear protective clothing as per section 8
 - 6.1.6.** Wash thoroughly after dealing with spillage
- 6.2. Environmental Precautions**
 - 6.2.1.** Do not allow to enter public sewers and watercourses
 - 6.2.2.** Avoid scattering in the environment
- 6.3. Methods and materials used for containment and cleaning up**

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- 6.3.1. Contact safety officer and ventilate area, wash spill site after material pick-up is complete. Absorb spill with 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.
- 6.4. Reference to other sections
 - 6.4.1. See Section 7

SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling
 - 7.1.1. Avoid contact with eyes, skin, and clothing.
 - 7.1.2. Do not eat, drink or smoke when using this product.
 - 7.1.3. Ensure adequate ventilation.
 - 7.1.4. Eyewash bottles should be available.
 - 7.1.5. Wash hands thoroughly after using this substance.
- 7.2. Conditions for safe storage, including any incompatibilities
 - 7.2.1. Store at temperatures not exceeding 30°C/86°F. Keep cool.
 - 7.2.2. Store in a well-ventilated place. Keep container tightly closed.
 - 7.2.3. Store in a dry place.
 - 7.2.4. Keep away from oxidizing substances.
 - 7.2.5. Keep away from acid.
- 7.3. Specific end use(s)
 - 7.3.1. For the non-selective pre-enrichment of *Salmonella* spp. from food. Conforms to USDS FSIS formulation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control Parameters
 - 8.1.1. There are no recommended or established controls for this product
- 8.2. Exposure Controls
 - 8.2.1. Eyewash bottles should be available
 - 8.2.2. Engineering controls should be provided to prevent the need for ventilation
 - 8.2.3. Wear safety glasses approved to standard for NIOSH (US) or EN 166
 - 8.2.4. Wear suitable protective clothing in accordance with good chemical hygiene practices.
 - 8.2.5. Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
 - 8.2.6. No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask, N95 (US) or type FFP1 (EN143) dust masks.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. Information on physical and chemical properties
 - 9.1.1. Appearance: Light amber liquid, cloudy to opaque.
 - 9.1.2. Odor: No information available.
 - 9.1.3. pH: 7.5 ± 0.2
 - 9.1.4. Melting point/Range: No information available.
 - 9.1.5. Boiling point/Range: Not determined

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- 9.1.6. Flashpoint: No information available.
- 9.1.7. Evaporation Rate: No information available.
- 9.1.8. Flammability: No information available.
- 9.1.9. Vapor Pressure: No information available.
- 9.1.10. Vapor Density: No information available.
- 9.1.11. Relative Density: No information available.
- 9.1.12. Solubility in water: Completely soluble in water.
- 9.1.13. Partition Coefficient (n-Octanol/Water): No information available.
- 9.1.14. Autoignition Temperature: Product is not self-igniting.
- 9.1.15. Viscosity: No information available
- 9.1.16. Explosive Properties: Product does not present an explosion hazard
- 9.1.17. Oxidizing Properties: No information available
- 9.2. Other information:
 - 9.2.1. No information available.

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity
 - 10.1.1. No information available.
- 10.2. Chemical stability
 - 10.2.1. Considered stable under normal conditions.
- 10.3. Possibility of hazardous reactions
 - 10.3.1. No hazardous reactions known if used for its intended purpose.
- 10.4. Conditions to avoid
 - 10.4.1. Avoid contact with moisture
 - 10.4.2. Keep away from heat and sources of ignition
- 10.5. Incompatible materials
 - 10.5.1. Incompatible with oxidizing substances
- 10.6. Hazardous decomposition products
 - 10.6.1. Decomposition products may include carbon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects
 - 11.1.1. No experimental test data available for the mixture
 - 11.1.2. Contact with skin
 - 11.1.2.1. May cause redness and irritation in sensitive individuals.
 - 11.1.3. Contact with eyes
 - 11.1.3.1. May cause redness and irritation in sensitive individuals.
 - 11.1.4. Ingestion
 - 11.1.4.1. May cause irritation of the throat
 - 11.1.5. Inhalation:
 - 11.1.5.1. May cause coughing
 - 11.1.6. Carcinogenicity
 - 11.1.6.1. No evidence of carcinogenic effects
 - 11.1.7. Mutagenicity
 - No evidence of mutagenic effects
 - 11.1.8. Teratogenicity

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11.1.8.1. No information available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Sodium Chloride

Toxicity to fish

LC50-Lepomis macrochirus (Bluegill) = 5840 mg/L-96h

Toxicity to daphnia and other aquatic invertebrates

NOEC=1500 mg/L-7D

LC50- Daphnia magna (Water flea) = 1661 mg/L-48h

Sodium Thiosulfate

Toxicity to fish

LC50-Carassius auratus (goldfish) = 178 mg/L-72h

Toxicity to daphnia and other aquatic invertebrates

EC50-Daphnia magna (Water flea) = 1085 – 1402 mg/L-48h

Toxicity to algae

IC50-Desmodesmus subspicatus (green algae) = 158 mg/L-96h

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 and vPvB assessment

12.5.1. Not a PBT according to REACH annex XIII

12.5.2. PBT/vPvB assessment not available

12.6. Other adverse effects

12.6.1. To the best of our knowledge, the properties of this material have not been fully evaluated

12.6.2. On available data, substance is not harmful to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Disposal should be in accordance with local, state, or national legislation

13.1.2. Do not discharge into drains or the environment, dispose to an authorized waste collection point

13.1.3. Do not reuse empty containers without commercial cleaning or reconditioning

13.1.4. Refer to manufacturer/supplier for information on recovery/recycling

13.2. Classification (REACH)

13.2.1. Waste Codes in accordance with 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 available.

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- 14.3. Transport hazard class(es): Not available.
- 14.4. Packing group number: Not available.
- 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. Domestic Surface Transport (US DOT)
 - 14.8.1. Proper Shipping Name: Not applicable
 - 14.8.2. DOT UN No.: Not applicable
 - 14.8.3. DOT Hazard Class: Not applicable
 - 14.8.4. DOT Packaging Group: Not applicable
- 14.9. International Road/Rail (ADR/RID)
 - 14.9.1. Proper Shipping Name: Not applicable
 - 14.9.2. ADR UN No.: Not applicable
 - 14.9.3. ADR Hazard Class: Not applicable
 - 14.9.4. ADR Packing Group: Not applicable
 - 14.9.5. Tunnel Code: Not applicable
- 14.10. Ocean/Sea (IMO/MDG)
 - 14.10.1. Proper Shipping Name: Not applicable
 - 14.10.2. IMDG UN No.: Not applicable
 - 14.10.3. IMDG Hazard Class: Not applicable
 - 14.10.4. IMDG Pack Group.: Not applicable
- 14.11. Air (ICAO/IATA)
 - 14.11.1. Proper Shipping Name: Not applicable
 - 14.11.2. ICAO Un No.: Not applicable
 - 14.11.3. ICAO Hazard Class: Not applicable
 - 14.11.4. ICAO Packing Group: Not applicable

SECTION: 15: REGULATORY INFORMATION

- 15.1. Safety, health, and environmental regulations/legislation specific for the substance or mixture
 - 15.1.1. 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.
 - 15.1.2. 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

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SECTION 16: OTHER INFORMATION

- 16.1.** This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY. Millennium LifeSciences, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.