



SAFETY DATA SHEET

Section 1: Identification

- 1.1. Product identifier
 - 1.1.1. Product Name: Sterile Phosphate Buffered Saline
 - 1.1.2. Product Number: V591
- 1.2. Recommended use of product
 - 1.2.1. Used for washing, transporting, and preparing test suspensions of cells or tissues and for procedures that require the use of an isotonic diluent.
- 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: This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by OSHA Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.
 - 2.1.2. Additional information
- 2.2. Label
 - 2.2.1. Signal word: None
 - 2.2.2. Symbols: None
 - 2.2.3. Hazard phrases: None
 - 2.2.4. Precautionary phrases: None
- 2.3. Other hazards:
 - 2.3.1. This mixture does not contain any substances that are assessed to be a PBT or vPvB.

Section 3: Composition/Information on Ingredients

- 3.1. Substances
 - 3.1.1. Not relevant (mixture).
- 3.2. Mixtures
 - 3.2.1. This product does not contain any hazardous substances at the concentration limits given in the Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200

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.



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Section 4: First-Aid Measures Continued

- 4.1.3. Ingestion
 - 4.1.3.1. Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Seek medical advice if feeling unwell.
- 4.1.4. Inhalation
 - 4.1.4.1. Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
- 4.2. Most important symptoms and effects, both acute and delayed
 - 4.2.1. None known to date.
- 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. Use water spray, carbon dioxide, dry chemical powder, or appropriate foam.
- 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.
- 5.3. Recommendations for firefighters
 - 5.3.1. Firefighters should wear protective equipment and self-contained breathing apparatus.

Section 6: Accidental Release Measures

- 6.1. Personal precautions, protective equipment, and emergency procedures
 - 6.1.1. Avoid inhalation and contact with skin and eyes.
 - 6.1.2. Wear self-containing breathing apparatus, rubber boots, and heavy rubber gloves.
- 6.2. Environmental Precautions
 - 6.2.1. No special environmental precautions required.
- 6.3. Methods and materials used for containment
 - 6.3.1. Use inert absorbent materials.
- 6.4. Cleanup Procedures
 - 6.4.1. Absorb spill with inert absorbent material.

Section 7: Handling and Storage

- 7.1. Precautions for safe handling
 - 7.1.1. Use personal protective equipment as required. No special handling advices are necessary.
- 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. Keep container tightly closed.

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Section 8: Exposure Controls/Personal Protection

- 8.1. Engineering Controls
 - 8.1.1. Ensure adequate ventilation, especially in confined areas.
- 8.2. Personal Protective Equipment
 - 8.2.1. Wear suitable protective clothing such as gloves, safety glasses, and lab coat. No respiratory protection is needed if ventilation/extraction is adequate.
 - 8.2.2. Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
 - 8.2.3. Wear safety glasses approved to standard for NIOSH (US) or EN 166.
- 8.3. Exposure controls
 - 8.3.1. No special environmental precautions required.

Section 9: Physical and Chemical Properties

- 9.1. Information on physical and chemical properties
 - 9.1.1. Appearance: Clear, colorless, liquid.
 - 9.1.2. Odor: No information available.
 - 9.1.3. Odor threshold: No information available.
 - 9.1.4. pH: 7.0 – 7.4
 - 9.1.5. Melting point/Range: No information available.
 - 9.1.6. Initial Boiling point/Range: No information available.
 - 9.1.7. Flashpoint: No information available.
 - 9.1.8. Evaporation Rate: No information available.
 - 9.1.9. Flammability: No information available.
 - 9.1.10. Vapor Pressure: No information available.
 - 9.1.11. Vapor Density: No information available.
 - 9.1.12. Relative Density: No information available.
 - 9.1.13. Solubility in water: No information available.
 - 9.1.14. Partition Coefficient (n-Octanol/Water): No information available.
 - 9.1.15. Autoignition Temperature: No information available.
 - 9.1.16. Decomposition temperature: No information available.
 - 9.1.17. Explosive Properties: Product does not present an explosion hazard.
 - 9.1.18. Viscosity: No information available.
- 9.2. Other information:
 - 9.2.1. No additional 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. No information available.
- 10.5. Incompatible materials
 - 10.5.1. No dangerous reaction known under conditions of normal use.

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Section 10: Stability and Reactivity Continued

10.6. Hazardous decomposition products

10.6.1. No information available.

Section 11: Toxicological Information

11.1. Information on toxicological effects

11.1.1. There is no evidence available indicating acute toxicity.

11.1.2. Contact with skin

11.1.2.1. Classification criteria for this hazard class are not met. Shall not be classified as corrosive/irritant to skin.

11.1.3. Contact with eyes

11.1.3.1. Classification criteria for this hazard class are not met. Shall not be classified as seriously damaging to the eye or eye irritant.

11.1.4. Inhalation:

11.1.4.1. Classification criteria for this hazard class are not met.

11.1.5. Carcinogenicity

11.1.5.1. No evidence of carcinogenic effects

11.1.6. Mutagenicity

11.1.6.1. No evidence of mutagenic effects

11.1.7. Teratogenicity

11.1.7.1. No information available.

Section 12: Ecological Information

12.1. Toxicity: Shall not be classified as hazardous to the aquatic environment.

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. No information available.

Section 13: Disposal Considerations

13.1. Waste treatment methods

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

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.



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Section 14: Transport Information

- 14.1. UN number: Not classified as hazardous for transport.
- 14.2. UN proper shipping name: Not available.
- 14.3. Transport hazard class(es): Not available.
- 14.4. Packing group number: Not available.
- 14.5. Environmental hazards: Not classified.
- 14.6. Guidance on transport in bulk (according to Annex II of MARPOL 73/78 and IBC code): Not classified.

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
 - 15.3.1. SARA 313: Not regulated by SARA.
 - 15.3.2. Clean Air Act: This product does not contain HAPs.
 - 15.3.3. New Jersey Worker and Community Right to Know: None of the ingredients are listed.
 - 15.3.4. California Environmental Protection Agency (Cal/EPA): Proposition 65 – Safe Drinking Water and Toxic Enforcement Act of 1987: This product does not contain any of the ingredients listed.

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.