Section 1: Product and Company Identification

1.1 Product Name: Dulbecco's Phosphate Buffered Saline (DPBS), no Calcium, no Magnesium, Endotoxin-Free

1.2 Catalog Number(s): DPBS12

1.3 Synonyms: Not Applicable.

1.4 Product Use: DPBS is used for a variety of cell culture applications including washing and transporting cells, and preparing or diluting general reagents.

1.5 Manufacturer/Supplier: Captivate Bio, LLC
25 Clarendon Street, STE 2
Watertown, MA 02472, USA

1.6 Emergency Contact: 1-617-607-4017

Section 2: Hazards Identification

2.1 Classification: This product is not classified as hazardous.

2.2 Label elements:

- 2.2.1 Hazard symbol: Not applicable
- 2.2.2 Signal word: Not applicable
- 2.2.3 Hazard statements: Not applicable

2.3 Other hazards: Not applicable

Section 3: Composition/Information on Ingredients

3.1 Substances: Not a hazardous substance or mixture.

Section 4: First Aid Measures

4.1 Description:

- 4.1.1 Eye contact: Flush thoroughly with water. Get medical attention if symptoms occur.
- 4.1.2 Skin contact: Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
- 4.1.3 Ingestion: Clean mouth with water. Get medical attention if symptoms occur.
- 4.1.4 Inhalation: Move to fresh air. Get medical attention if symptoms occur.

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4.2 Most important symptoms and effects, acute and delayed:

4.2.1 Symptoms: Not applicable

4.3 Indication of any immediate medical attention and special treatment needed:

4.3.1 Treatment: Treat symptomatically

Section 5: Fire-Fighting Measures

5.1 Extinguishing: Water spray, carbon dioxide, dry chemical, or alcohol resistant foam.

5.2 Specific hazards arising from the substance or mixture: None

5.3 Advice for firefighters: Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

5.4 Further information: The product is not flammable.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures:
Ensure adequate ventilation, use personal protective equipment, and avoid breathing vapors, mist, or gas.

6.2 Environmental precautions: No special measures required.

6.3 Methods and materials for containment and cleaning up:
Soak up with inert absorbent material. Clean contaminated surface thoroughly.

6.4 Reference to other sections: See Sections 8 and 13 for information on protective measures.

Section 7: Handling and Storage

7.1 Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities:
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 15°C to 30°C

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Section 8: Exposure Controls/Personal Protection

8.1 Control parameters: Contains no hazardous materials with occupational exposure limits.

8.2 Biological limit values: As supplied, this product does not contain any hazardous materials with biological limits established by the region-specific regulatory bodies.

8.3 Exposure controls: No respiratory protection will be needed under normal Good Laboratory Practices operating conditions. Use supplied-air respiratory equipment as required by local regulation. Compatible chemical resistant gloves should be the minimum hand protection. Chemical safety goggles/glasses should be the minimum eye protection. Wash hands and other exposed areas thoroughly with mild soap and water before eating, drinking and when leaving the laboratory. Wash contaminated clothing before use.

8.4 Personal protective equipment:

- 8.4.1 Eye Protection: Use safety glasses with side-shields for eye protection.
- 8.4.2 Hand protection: Handle produce with gloves. Use proper glove removal technique to avoid contact with skin.
- 8.4.3 Skin & body protection: Wear a lab coat or similar protective clothing.
- 8.4.4 Respiratory protection: Respiratory protection not required.
- 8.4.5 Hygiene measures: Observe good industrial hygiene practice.

Section 9: Physical and Chemical Properties

9.1 General Information:

- 9.1.1 Appearance: Clear, colorless solution
- 9.1.1 Physical state: Liquid
- 9.1.1 Odor: None.
- 9.1.1 pH: 7.3-7.5

9.2 Other information: No other information available.

Section 10: Stability and Reactivity

10.1 Reactivity: None under normal use conditions

10.2 Chemical stability: Stable under normal use conditions

10.3 Possibility of hazardous reactions:

- 10.3.1 Hazardous polymerization: Does not occur
- 10.3.2 Hazardous Reactions: None under normal use conditions

10.4 Conditions to avoid: None under normal use conditions

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10.5 Incompatible materials: None under normal use conditions.

10.6 Hazardous decomposition: None under normal use conditions

Section 11: Toxicological Information

11.1 Information on toxicological effects

- 11.1.1 Acute Toxicity: No data available
- 11.1.2 Inhalation: No data available
- 11.1.3 Eye contact: No data available
- 11.1.4 Skin contact: No data available
- 11.1.5 Ingestion: No data available
- 11.1.6 Symptoms: No data available

11.2 Numerical measures of toxicity: Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity.

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure:

- 11.3.1 Skin corrosion/irritation: No data available
- 11.3.2 Serious eye damage: No data available
- 11.3.3 Respiratory: No data available
- 11.3.4 Skin sensitization: No data available
- 11.3.5 Germ cell mutagenicity: No data available
- 11.3.6 Carcinogenicity: No data available
- 11.3.7 Reproductive toxicity: No data available
- 11.3.8 STOT - single exposure: No data available
- 11.3.9 STOT - repeated exposure: No data available
- 11.3.10 Aspiration hazard: No data available

Section 12: Ecological Information

12.1 Ecotoxicity: Contains no substances known to be hazardous to the environment or that are not degradable in wastewater treatment plants. Do not empty into drains.

12.2 Persistence and degradability: No information available

12.3 Bioaccumulative potential: No information available

12.4 Mobility in soil: No information available

12.5 Other adverse effects: No information available

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Section 13: Disposal Considerations

13.1 Waste treatment methods: Dispose of content and/or container to licensed waste disposal site in accordance with local, regional, national, and/or international regulations.

13.2 Contaminated packaging: Empty remaining contents. Dispose of in accordance.

Section 14: Transport Information

14.1 DOT: Not regulated
14.2 IMDG: Not regulated
14.3 IATA: Not regulated

Section 15: Regulatory Information

15.1 Safety, health, and environment regulations/legislation specific for the substances or mixture
- 15.1.1 International Inventories: None present, or none present in regulated quantities
- 15.1.2 National Regulations: None present, or none present in regulated quantities

15.2 Chemical safety assessment: No information available

Section 16: Other Information

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Prepared by: Captivate Bio Quality Department
Contact: quality@captivatebio.com

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