

Conforms to 93/112/EC and ISO 11014-1

Responsible Name Pierce Administration

? **Section 1. Chemical Product and Company Identification**

**Product name** BupH™ Modified Dulbecco's Phosphate Buffered Saline Packs

**Product No.** 0028374

|                 |  |   |                     |  |
|-----------------|--|---|---------------------|--|
| <b>Supplier</b> | <i>In USA:</i><br>Pierce<br>P.O. Box 117<br>Rockford, IL 61105<br>USA<br>815.968.0747 or<br>1.800.874.3723 | <i>In Europe:</i><br>Perbio Science<br>Industriezone III<br>Industrielaan 27<br>9320 Erembodegem-Aalst<br>Belgium<br>Tel:+32 53 83 44 04<br>Fax:+32 53 83 76 38 | <b>Manufacturer</b> | Pierce Biotechnology<br>P.O. Box 117<br>Rockford, IL 61105<br>USA<br>815.968.0747 or<br>1.800.874.3723 |
|-----------------|--|---|---------------------|--|

**In Case of Emergency** CALL CHEMTREC:

800.424.9300  
OUTSIDE US:  
202.483.7616

**Print Date** 3/13/2003

**Validation Date** 3/13/2003

**MSDS#** 1093

**Intended Use** Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.

 **Section 2. Composition, Information on Ingredients**

**Substance/Preparation** : Substance

| <u>Ingredient Name</u>              | <u>CAS No.</u> | <u>%</u> | <u>EC Number</u> | <u>Symbol</u> | <u>R-Phrases</u>                   |
|-------------------------------------|----------------|----------|------------------|---------------|------------------------------------|
| 1) BupH Dulbecco's PBS Buffer Packs |                | 98-100   | Not available.   | --            | Not controlled under dsd (Europe). |

 **Section 3. Hazards Identification**

**United States** Review the most current and approved institutional guideline, protocol, standard operating procedure(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this product.

**Emergency Overview** No specific hazard.

**Routes of Entry** Not available.

**Potential Acute Health Effects** No specific information is available in our database regarding the acute toxic effects of this material for humans.

**Carcinogenic Effects Data** **CARCINOGENIC EFFECTS:** Not available.  
**MUTAGENIC EFFECTS:** Not available.  
**TERATOGENIC EFFECTS:** Not available.

**Medical Conditions Aggravated by Overexposure:** Repeated or prolonged exposure is not known to aggravate medical condition.

**Overexposure /Signs/Symptoms** Not available.

**Europe**

**Classification** Not controlled under dsd (Europe).  
**Physical/chemical hazards** Not applicable.  
**Human health hazards** Not applicable.  
**Environmental hazards** Not applicable.

See Toxicological Information (section 11)

Continued on Next Page

## **+ Section 4. First Aid Measures**

**Notice to Reader** Get immediate medical attention.

**Effects and symptoms**

*Inhalation* Not available.

*Ingestion* Not available.

*Skin Contact* Not available.

*Eye Contact* Not available.

*Aggravating conditions* Repeated or prolonged exposure is not known to aggravate medical condition.

**First-Aid Measures**

*Inhalation* If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

*Ingestion* Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

*Skin Contact* In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

*Eye Contact* Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

*Notes to Physician* Not available.

*Protection of first-aiders* Not available.

## **🔥 Section 5. Fire Fighting Measures**

*Flammability of the Product* Non-flammable.

*Flash Points* Not applicable.

*Fire Hazards in Presence of Various Substances* Not applicable.

*Fire Fighting Media and Instructions* Not applicable.

*Protective Clothing (Fire)* Not applicable.

*Hazardous thermal (de)composition products* Not applicable.

## **Section 6. Accidental Release Measures**

*Personal precautions* Safety glasses. Lab coat.

*Environmental Precautions and Clean-up Methods* Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

*Small Spill and Leak* Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

## **◇ Section 7. Handling and Storage**

*Handling* Avoid breathing dust.

*Storage* Keep container tightly closed. Keep container in a cool, well-ventilated area.

*Intended Use* Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.

**Packaging materials**

*Suitable / Not suitable* Use original container.

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## Section 8. Exposure Controls/Personal Protection

**Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Exposure Limit Values

| <u>Ingredient Name</u> | <u>Occupational Exposure Limits</u> |
|------------------------|-------------------------------------|
|------------------------|-------------------------------------|

**United States**

**Sweden**

|                                     |                |
|-------------------------------------|----------------|
| 1) BupH Dulbecco's PBS Buffer Packs | Not available. |
|-------------------------------------|----------------|

**Denmark**

|                                     |                |
|-------------------------------------|----------------|
| 1) BupH Dulbecco's PBS Buffer Packs | Not available. |
|-------------------------------------|----------------|

**Norway**

|                                     |                |
|-------------------------------------|----------------|
| 1) BupH Dulbecco's PBS Buffer Packs | Not available. |
|-------------------------------------|----------------|

**France**

|                                     |                |
|-------------------------------------|----------------|
| 1) BupH Dulbecco's PBS Buffer Packs | Not available. |
|-------------------------------------|----------------|

**Netherlands**

|                                     |                |
|-------------------------------------|----------------|
| 1) BupH Dulbecco's PBS Buffer Packs | Not available. |
|-------------------------------------|----------------|

**Germany**

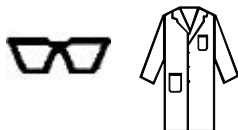
|                                     |                |
|-------------------------------------|----------------|
| 1) BupH Dulbecco's PBS Buffer Packs | Not available. |
|-------------------------------------|----------------|

### Personal Protection

**Eyes** Safety glasses.

**Body** Lab coat.

Protective Clothing  
(Pictograms)



## Section 9. Physical and Chemical Properties

**Physical State and Appearance** Solid. (Granular solid.)

**Odor** Not available.

**Molecular Weight** Not available.

**Taste** Not available.

**Dispersion Properties** See solubility in water.

**Color** White.

**Solubility** Easily soluble in cold water, hot water.

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 **Section 10. Stability and Reactivity**

- Stability and Reactivity* The product is stable.  
*Conditions to avoid* Not available.  
*Materials to avoid* Not available.  
*Hazardous Polymerization* Will not occur.  
*Hazardous Decomposition Products* Not applicable.

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 **Section 11. Toxicological Information**

- Toxicity to Animals* LD50: Not available.  
LC50: Not available.  
*Chronic Effects on Humans* Not available.  
*Other Toxic Effects on Humans* No specific information is available in our database regarding the other toxic effects of this material for humans.  
*Special Remarks on Toxicity to Animals* Not available.  
*Special Remarks on Chronic Effects on Humans* There are no known hazards associated with this product.  
*Special Remarks on Other Toxic Effects on Humans* There are no known hazards associated with this product.

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 **Section 12. Ecological Information**

- Mobility* Not available.  
*Persistence/degradability* Not available.  
*Bioaccumulative potential* Not available.  
*Ecotoxicity* Not available.  
*Germany water class* VCI WGK: No products were found.

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 **Section 13. Disposal Considerations**

- Waste Information* Waste must be disposed of in accordance with federal, state and local environmental control regulations.  
*Waste Stream* Not available.

*Consult your local or regional authorities.*

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 **Section 14. Transport Information**

*Contact the supplier for all information regarding the proper transportation method for this material.*

**Section 15. Regulatory Information**

**Label Requirements  
(Europe)**

This product is not classified according to the EU regulations.

**HCS Classification**

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**U.S. Federal Regulations**

TSCA: No products were found.  
 SARA 302/304/311/312 extremely hazardous substances: No products were found.  
 SARA 302/304 emergency planning and notification: No products were found.  
 SARA 302/304/311/312 hazardous chemicals: No products were found.  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.  
 SARA 313 toxic chemical notification and release reporting: No products were found.  
 Clean Water Act (CWA) 307: No products were found.  
 Clean Water Act (CWA) 311: No products were found.  
 Clean air act (CAA) 112 accidental release prevention: No products were found.  
 Clean air act (CAA) 112 regulated flammable substances: No products were found.  
 Clean air act (CAA) 112 regulated toxic substances: No products were found.

**WHMIS (Canada)** Not controlled under WHMIS (Canada).

No products were found.

**International Regulations**

**EINECS** Not available.

**DSCL (EEC)** This product is not classified according to the EU regulations.

**International Lists** No products were found.

**State Regulations** No products were found.

**California prop. 65: No products were found.**

**Section 16. Other Information**

**Hazardous Material  
Information System  
(U.S.A.)**

|                     |   |
|---------------------|---|
| Health              | 0 |
| Fire Hazard         | 0 |
| Reactivity          | 0 |
| Personal Protection | a |

**National Fire Protection  
Association (U.S.A.)**



**References** Not available.

**History of Document Changes**

Any information changes since last document version are marked with a triangle symbol.

*Full text of R-Phrases  
referenced under headings 2 and 3:*

Not applicable.

**Intended Use**

Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.

Validated by Pierce Administration on 3/13/2003.

Verified by Pierce Administration.

Date of Previous Issue No Previous  
Validation

Printed 3/13/2003.

Version

0.02

**Notice to Reader**

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**BupH™ Modified Dulbecco's Phosphate  
Buffered Saline Packs**

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*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.  
Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*