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1. Product identification

Product Description: Phosphate Buffered Saline (Dulbecco A)
Cat No.: BR9014

2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: Laboratory chemicals.
Uses advised against: No information available

3. Details of the supplier of the safety data sheet

Company: Oxid Ltd
Vado Road
Basingstoke, Hampshire, UK
RG24 8PW
Tel: +44 (0) 1256 841144
mbd-ods@meromfisher.com
mbd-ods@meromfisher.com

4. Emergency telephone numbers

Carophon: +44 (0) 1635 407333

SECTION 2: HAZARDS IDENTIFICATION

5. Classification of the substance or mixture

CLP Classification - Regulation (EC) No 1272/2008
Not Hazardous
Physical hazards
Based on available data, the classification criteria are not met
Health hazards
Based on available data, the classification criteria are not met
Environmental hazards
Based on available data, the classification criteria are not met

Classification according to EU Directives 67/548/EEC or 1999/45/EC
R-phrase(s)
None

For the full text of the R-phrases and H-statements mentioned in this section, see Section 16.

2.1. Labelling information

Signal Word
None
Hazard Statements

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Weight %</th>
<th>CLP Classification - Regulation (EC) No 1272/2008</th>
<th>DSD Classification - 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONHAZARDOUS</td>
<td>NA</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For the full text of the R-phrases and H-statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Skin Contact: Wash off with warm water and soap. Get medical attention immediately if symptoms occur.
Ingestion: Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Inhalation: Move to fresh air. Get medical attention immediately if symptoms occur.
Protection of First-aiders: No information available.

4.2. Most Important symptoms and effects, both acute and delayed

None reasonably foreseeable.

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

None.

Notes to Physician

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media which must not be used for safety reasons: No information available.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products: None under normal use conditions.

5.3. Advice for first-aid workers

None.

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As in any lab, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions

Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and contaminate in suitable container for disposal.

6.4 Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

7.2 Conditions for safe storage, including any incompatible materials

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3 Specific end uses

Use in laboratories

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Monitoring methods

BS EN 14042:2003 Title identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

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Predicted No Effect Concentration (PNEC)

No information available.

9.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Wherever possible, engineering control measures such as the installation or enclosures of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Personal protective equipment

Eye Protection

If splashes are likely to occur, wear Safety glasses with side-shields (European standard EN 166).

Hand Protection

Protective gloves

Glove material

Disposable gloves

Glove thickness

EU standard

Glove comments

(0000)

Skin and body protection

Long sleeved clothing

Impact protection before use.

Please observe the instructions regarding permeability and breaktime which are provided by the supplier of the gloves.

(Supplied by manufacturer/supplier for information.)

Ensure gloves are suitable for the task. Chemical compatibility, Oxidation, Operational conditions, User susceptibility, e.g., sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly.

Large scale/emergency use

In cases of insufficient ventilation wear suitable respiratory equipment.

Small scale/Laboratory use

Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

When FFP1 is used a face piece FFP1 Test should be conducted.

Hygiene Measures

Hands in accordance with good hygiene and safety practices.

Environmental exposure controls

No information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

No information available

Physical state

Solid Gel or Liquid

Odor

No information available

Odor Threshold

No data available

pH

Not applicable

Melting Point/Range

No data available

Softening Point

No data available

Boiling Point/Ranges

Not applicable
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Flash Point: Not applicable  
Evaporation Rate: No data available  
Flammability (solid, gas): Not applicable  
Explosion Limits: No data available  
Vapor Pressure: No data available  
Vapor Density: No data available (Air = 1.0)  
Specific Gravity / Density: No data available  
Flash Point: Not applicable  
Water Solubility: No information available  
Solvency in other solvents: No information available  
Partition Coefficient (octanol/water): No data available  
Autoignition Temperature: No data available  
Decomposition Temperature: No data available  
Viscosity: No data available  
 Explosive Properties: No information available  
Oxidizing Properties: No information available

9.2. Other information:

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:
None known, based on information available

10.2. Chemical stability:
Stable under normal conditions

10.3. Possibility of hazardous reactions:

Hazardous Polymerization: Hazardous polymerization does not occur.

Hazardous Reactions: None under normal processing.

10.4. Conditions to avoid:
Incompatible products, excess heat.

10.5. Incompatible materials:
Strong oxidizing agents.

10.6. Hazardous decomposition products:
None under normal use conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:
Product information: Product does not present an acute toxicity hazard based on known or supplied information.

(a) acute toxicity:
Oral: Not Classified
Dermal: Not Classified
Inhalation: Not Classified

(b) skin corrosion/irritation: Not Classified

(c) eye damage/irritation: Not Classified

(d) respiratory or skin sensitization: Not Classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:
Ecotoxicity effects: Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

12.2. Persistence and degradability:
No information available. Not applicable for mixtures.

12.3. Biodegradability:
No information available.

12.4. Mobility in soil:
No information available.

12.5. Results of PBT and vPvB assessment:
No data available for assessment.

12.6. Other adverse effects:
Endocrine Disruptor information: This product does not contain any known or suspected endocrine disruptors.

Persistent Organic Pollutants: This product does not contain any known or suspected substance.

Ozone Depletion Potential: This product does not contain any known or suspected substance.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:
Waste from Residues / Unused Products: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Contaminated Packaging: Empty remaining contents. Dispose of in accordance with local regulations. Do not re-use empty containers.

European Waste Catalogue (EWC): According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Other Information: Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: TRANSPORT INFORMATION

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INOSIMO
Not regulated

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group

ADR
Not regulated

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group

IATA
Not regulated

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group

14.5. Environmental hazards
No hazards identified

14.6. Special precautions for user
No special precautions required

14.7. Transport in bulk according to :
Not applicable, packaged goods

Anex II of MARPOL-73/78 and the
IEC Code.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental requisites

National Regulations
Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2006 Amendment.
Take note of Dr 9433/EC on the protection of young people at work.
Take note of Directive 90/124/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

15.2. Chemical safety assessment.
Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures

SECTION 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
Not applicable

Full text of H-statements referred to under sections 2 and 3
Not applicable

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CAS - Chemical Abstracts Service
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances List of Notified Chemical Substances
PIDCS - Philippines Inventory of Chemicals and Chemical Substances
ICSC - Chinese Inventory of Existing Chemical Substances
KEGL - Korean Existing and Evaluated Chemical Substances
WEL - Workers' Exposure Limit
ACGIH - American Conference of Governmental Industrial Hygienists
BEL - Derived No Effect Level
KBE - Respiratory Protective Equipment
LD50 - Lethal Dose 50%
KOEZ - No Observed Effect Concentration
PBET - Permissible, Disaccumulative, Toxic

ADR - Asian Dietetic Association
ADR - American Conference of Governmental Industrial Hygienists
IARC - International Agency for Research on Cancer
PMDO - Predicted No Effect Concentration
ULV - Lethal Volume 50%
LD50 - Lethal Dose 50%
BLS - Permissible Concentration of Solvent Water
vPB - very Permeable, very Disaccumulative

ICAO/IATA - International Civil Aviation Organization/International Air Transport Association
MARPOL - International Convention for the Prevention of Pollution from Ships
OSCO - Organization for Economic Co-operation and Development
ATC - Air Traffic Control
VOC - Volatile Organic Compounds

Classifications and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):
Physical hazards
Environmental hazards

Training Advice
Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Creation Date: 10-Sep-2011
Revision Date: 14-Jun-2013
Revision Summary: SDS sections updated.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet