

SAFETY DATA SHEET**Phosphate Buffered Saline Concentrate (20X)****SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

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| 1.1 PRODUCT IDENTIFIER | Phosphate Buffered Saline Concentrate (20X) |
| 1.2 IDENTIFIED USES OF THE MIXTURE | Concentrated buffer solution for use by Blood Transfusion instruments |
| 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET | |
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SECTION 2 HAZARDS IDENTIFICATION**CLASSIFICATION OF SUBSTANCE OR MIXTURE**

This product is classified as non-hazardous according to Regulation (EC) No. 1272/2008

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Description Concentrated Phosphate Buffered Saline (PBS), which containing 0.2% Sodium Azide.

SECTION 4 FIRST AID MEASURES

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| INHALATION | Move person into fresh air. |
| SKIN/ EYE CONTACT | If irritation occurs, flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice. |
| INGESTION | If irritation or discomfort occurs, obtain medical advice. Do not induce vomiting. |

Phosphate Buffered Saline Concentrate (20X)**SECTION 5 FIRE FIGHTING MEASURES****5.1 EXTINGUISHING MEDIA**

Suitable Extinguishing Media Foam, dry chemical, carbon dioxide (CO₂) and water spray

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Hazardous Combustion Products No data available

5.3 ADVICE FOR FIRE FIGHTERS

Fire Fighting Instructions Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus

Flammability Properties None detailed.

SECTION 6 ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Protective equipment Use personal protective equipment.

Emergency procedure Confine the spill and absorb with an absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents for disposal.

6.2 ENVIRONMENTAL PRECAUTIONS Do not allow the product to enter surface or ground water drains.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Soak up with inert absorbent material and dispose of as hazardous waste. Clean spillage site with water and detergent.

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SECTION 7 HANDLING AND STORAGE**7.1 PRECAUTIONS FOR SAFE HANDLING**

Do not eat. Drink or smoke whilst handling this product. Wash hands after use.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store between 10°C and 30 °C.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 CONTROL PARAMETERS**

This product contains Sodium Azide for which the following exposure limits exist:

LTEL (8 Hr) 0.1mg.m⁻³, STEL (15 mins) 0. 3mg.m⁻³, Sk -EH40/2005 Workplace Exposure Limits (**UK**)

OELV (8 Hr) 0.1mg.m⁻³, STEL (15 mins) 0. 3mg.m⁻³, Skin – Schedule 1 of 2011 Code of Practice for the Safety, Health and Welfare at Work (Chemicals Agents) Regulations 2001 (**Eire**)

MAK 0.2 mg.m⁻³ (Inhalable) (**Germany**)

OELV (8 Hr) 0.1mg.m⁻³, Potential for Cutaneous absorption Ceiling: 0. 3mg.m⁻³ (**Czech Republic**)

OELV (8 Hr) 0.1mg.m⁻³, STEL (15 mins) 0. 3mg.m⁻³ (**Poland**)

OELV (8 Hr) 0.2mg.m⁻³, STEL (15 mins) 0. 4 mg.m⁻³ (**Switzerland**)

8.2 EXPOSURE CONTROLS**8.2.1 Appropriate engineering controls**

Use with adequate ventilation.

8.2.2 Individual protection measures, such as personal protective equipment

When handling large volumes, use safety glasses and protective gloves

8.2.3 Environmental exposure controls

Do not allow the product to enter surface or ground water drains.

Phosphate Buffered Saline Concentrate (20X)**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES****INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

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| (a) Physical State: | Colourless liquid |
| (b) Odour: | No data available |
| (c) Odour Threshold: | No data available |
| (d) pH: | 6.95 – 7.05 |
| (e) Melting Point: | No data available |
| Freezing Point: | No data available |
| (f) Boiling Point/ Boiling Range: | No data available |
| (g) Flash Point: | No data available |
| (h) Evaporation Rate: | No data available |
| (i) Flammability (Solid, Gas): | No data available |
| (j) Upper explosion limit: | No data available |
| (k) Lower explosion limit: | No data available |
| (l) Vapour Pressure: | No data available |
| (m) Vapour Density (Air = 1): | No data available |
| (n) Relative Density: | No data available |
| (o) Solubility(ies): | Miscible with Water |
| (p) Partition coefficient: | No data available |
| (q) Autoignition Temperature: | No data available |
| (r) Decomposition Temperature: | No data available |
| (s) Explosive Properties: | No data available |
| (t) Oxidising Properties: | No data available |

SECTION 10 STABILITY AND REACTIVITY

Non-Reactive and Stable under normal conditions of storage and use. Do not use if the solution becomes turbid or changes colour. If the product is exposed to particularly low temperatures, some crystallization may occur; this can be reversed by warming the bottle to ambient temperature and mixing before use.

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SECTION 11 TOXICOLOGICAL INFORMATION

No data available.

SECTION 12 ECOLOGICAL INFORMATION

No test information available for this product.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14 TRANSPORT INFORMATION

This product is not considered as Hazardous for transportation.

SECTION 15 REGULATORY INFORMATION

Regulation (EC) No. 1907/2006 (REACH Registration, Evaluation, Authorisation and Restriction of Chemicals)

European Regulation (EC) No 1272/2008 The CLP Regulations.

EU Directive 67/548/EEC /1999/45 Classification, packaging and labelling of dangerous preparations

Classification under Chemicals (Hazard Information & Packaging for supply) Regulations – CHIP 4 (2009)

SECTION 16 OTHER INFORMATION

The information in this safety data sheet must be provided to all personnel who are exposed to this product.