

# SAFETY DATA SHEET



## Phosphate Buffered Saline

### Section 1 Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier	Phosphate Buffered Saline (PBS) SB01-10, SB01-05, SB01-25
1.2	Identified uses of the mixture	Buffer solution for use by Blood Transfusion instruments
1.3	Details of the supplier of the safety data sheet	
	Manufacturer	Sussex Biologicals Limited Unit H7/H8 Swallow Enterprise Park Lower Dicker BN27 4EL UK
	Telephone number	+44(0)1323 849944
	Email	<a href="mailto:info@sussexbiologicals.co.uk">info@sussexbiologicals.co.uk</a>
1.4	Emergency Telephone	+44 (0)1323 741818 (CountyClean Environmental Services)

### Section 2 Hazards identification

2.1	Classification of substance or mixture	This product is classified as non-hazardous according to Regulation (EC) No. 1272/2008
2.2	Label Elements	No symbols required
2.3	Other hazards	This substance/mixture does not contain any components considered to be either persistent, bio accumulative and toxic at levels of 0.1% or higher.

### Section 3 Composition/Information on ingredients

Name	CAS Number	EC Number	Content %	Classification
Sodium Azide	26628-22-8	247-852-1	0.01	Acute Tox (Oral) Cat 2 H300 Aq. Acute Tox Cat 1 H400 Aq. Chronic Tox Cat 1 H410 EUH032

### Section 4 First aid measures

#### 4.1 Description of first aid measures

Inhalation	Move into fresh air. Seek medical advice.
Skin contact	Avoid contact with open wounds or skin abrasions. If irritation occurs wash with flowing water for 5 minutes.
Eye contact	If irritation occurs, flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.
Ingestion	Do not induce vomiting. Seek medical advice. Never give anything by mouth to an unconscious person.

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### Section 5 Firefighting measures

#### 5.1 Extinguishing media

**Suitable Extinguishing Media** Foam, dry chemical, carbon dioxide (CO<sub>2</sub>) 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.

**6.4 Reference to other sections** Refer to section 13 for disposal.

### 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

**Storage conditions** Store between 10°C and 30 °C.  
Store out of direct sunlight  
Store upright

**7.3 Specific end use(s)** Refer to section 1.2

### 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<sup>-3</sup>, STEL (15 mins) 0.3mg.m<sup>-3</sup>, Sk -EH40/2005 Workplace Exposure Limits (UK)

OELV (8 Hr) 0.1mg.m<sup>-3</sup>, STEL (15 mins) 0.3mg.m<sup>-3</sup>, 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<sup>-3</sup> (Inhalable) (Germany)

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OELV (8 Hr) 0.1mg.m<sup>-3</sup>, Potential for Cutaneous absorption Ceiling: 0. 3mg.m<sup>-3</sup> (Czech Republic)

OELV (8 Hr) 0.1mg.m<sup>-3</sup>, STEL (15 mins) 0. 3mg.m<sup>-3</sup> (Poland)

OELV (8 Hr) 0.2mg.m<sup>-3</sup>, STEL (15 mins) 0. 4 mg.m<sup>-3</sup> (Switzerland)

### 8.2 Exposure controls

<b>Respiratory controls</b>	Use with adequate ventilation.
<b>Individual protection measures</b>	Use personal protective equipment when handling large volumes, safety glasses and protective gloves.
<b>Environmental exposure controls</b>	Do not allow the product to enter surface or ground water drains.

## Section 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State:	Colourless liquid
Colour	Clear
Odour:	No data available
Melting Point:	No data available
Freezing Point:	No data available
Boiling Point/ Boiling Range:	No data available
Flammability (Solid, Gas):	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Flash Point:	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
pH:	6.95 – 7.05
Kinematic viscosity	No data available
Solubility(ies):	Miscible with Water
Partition coefficient:	No data available
Vapour Pressure:	No data available
Relative Density:	No data available
Vapour Density (Air = 1):	No data available
Particle characteristics	Not applicable
Explosive properties:	No data available
Oxidising properties:	No data available

**9.2 Other safety information** No data available

## Section 10 Stability and reactivity

<b>10.1 Reactivity</b>	Non-Reactive
<b>10.2 Stability</b>	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.
<b>10.3 Possibility of hazardous reactions</b>	No data available
<b>10.4 Conditions to avoid</b>	No data available
<b>10.5 Incompatible materials</b>	Strong oxides
<b>10.6 Strong decomposition products</b>	See sections 5 and 6

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### Section 11 Toxicological information

#### 11.1 Information on toxicological effects

##### Mixture

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

#### 11.2 Information on other hazards

No further data available

### Section 12 Ecological Information

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bio accumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	No data available
12.6 Endocrine disrupting properties	No data available
12.7 Other adverse effects	No data available

### Section 13 Disposal considerations

Run to drain with copious volumes of water. Rinse containers well before disposal.

### Section 14 Transport information

14.1 UN number or ID number	This product is not classified as hazardous for transportation
14.2 UN proper shipping name	This product is not classified as hazardous for transportation
14.3 Transport hazard class	This product is not classified as hazardous for transportation
14.4 Packing group	This product is not classified as hazardous for transportation
14.5 Environmental hazards	This product is not classified as hazardous for transportation
14.6 Special precautions for user	Transport upright
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

### Section 15 Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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)

#### 15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SBL 7/5 MSDS – PBS (Revision 6)

Revision Date 4.1.2023

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### Section 16 Other information

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

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to the appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Revision 5 was repealed by revision 6 on 4<sup>th</sup> January 2023 which required additional information to comply with EU2020/878