

Materials Safety Data Sheet

Section 1 - Product & Company

Product Name Phosphate Buffered Saline (PBS)
Product Codes SB01-10, SB01-05, SB01-25

Manufacturer

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Composition of Product

Hazard information on product

Component Name	Concentration	Risk Phrases	Classification	CAS Number
Sodium Azide	0.01% w/v	R28, R32, R50/53	Poison	26628-22-8

Section 2 - Hazard Identification

Not classified as hazardous according to Regulation (EC) Number 1272/2008

Section 3 – Composition

Description of Substance

Phosphate Buffered Saline (PBS) solution containing 0.2% Sodium Azide which is used as a preservative.

Section 4 – First Aid Measures

Skin Contact	Avoid contact with open wounds or skin abrasions. If irritation occurs, wash with flowing water for five minutes. If irritation persists seek medical advice.
Eye Contact	Wash with running water and if irritation persists seek medical advice.
Ingestion	Do not induce vomiting and seek medical advice.
Inhalation	Move into fresh air. Seek medical advice.

Section 5 - Fire Fighting Measures

Extinguishing Media	Product is not flammable
Unsuitable Extinguishing Media	Not applicable
Special Hazards of Product	None
Protective Equipment	None required

Section 6 - ACCIDENTAL RELEASE MEASURES

Spillages	Clean site with water and detergent. Wear protective gloves.
Environmental	Product unlikely to be an environmental problem.
Cleaning Up	Soak up with inert absorbent material and dispose of as hazardous waste. Clean site of spillage with detergent and water.

Section 7 – Handling & Storage

Handling	Do not eat, drink or smoke whilst handling with product.
Storage	Store at room temperature, between 10 and 30°C.

Section 8 - Exposure Controls & Personal Protection

	Sodium Azide has the following exposure limits:
	LTEL 0.1 mg.m ⁻³
	STEL 0.3 mg.m ⁻³
Control Parameters	EH40/2005 Workplace Exposure Limits (UK)
	OLEV (8 Hr) 0.1 mg.m ⁻³
	STEL 0.3 mg.m ⁻³
	Skin – Schedule 1 of 2011 Code of Practice for the Safety, Health and Welfare at Work (Chemical agents) Regulations 2001 (Eire)

Section 9 - Physical & Chemical Properties

Physical State	Liquid
Colour	Clear
pH	6.95 – 7.05
Flash Point (°C)	Not applicable
Solubility in Water (kg/m ³)	Miscible
Vapour Pressure (kPa)	Not applicable
Density (kg/m ³)	1,000
Viscosity	Not applicable
Decomposition Temperature	Not applicable

Section 10 - Stability & Reactivity

Reactivity	Non-reactive under normal conditions of use and storage.
Stability	Stable under normal conditions of use and storage.

Section 11 - Toxicological Information

Acute Toxicity	Very unlikely
Skin Sensitisation	Very unlikely
Eyes	Very unlikely

Section 12 - Ecological Information

Mobility	Readily miscible with water.
Persistence/Degradability	Minor possibility of some resistance to Biodegradation.
Bio-accumulation	Unlikely.

13 - Disposal

Product Disposal	Run to drain with copious volumes of water.
Container Disposal	Wash out with water.

14. Transport Information

UN Number	None – Product not classified as hazardous for transportation
UN proper shipping Name	Not applicable
ADRIRID-Class	Non Hazardous
IMDG-Packaging Group	Not applicable
IMDG-Class	Non Hazardous
IATA-Packaging Group	Not applicable
IATA-Class	Non Hazardous

15. Labelling Information

R Phrases	None
S Phrases	None

16. OTHER INFORMATION

MSDS Issue	Phosphate Buffered Saline (PBS) Revision 3
Revised	26 th April 2019
Uses and Limitations	The information on this safety sheet must be provided to personnel who may be exposed to this product. This product is designed for professional use only. It is recommended that the user prepares a suitable 'Risk Assessment' for this product.
UK Legislation	Health and Safety at Work etc. Act 1974 and Relevant Statutory Provisions. SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations 1993. SI 1988/1657: The Control of Substances Hazardous to Health Regulations.