SAFETY DATA SHEET

PureSperm® Buffer

1.0 Identification of the Substance/Mixture and of the Company/Undertaking

Product Name: **PureSperm® Buffer**
Product Catalogue No: **PSB-100**

PureSperm® Buffer is a sterile (autoclaved) isotonic salt solution. Optimised for the dilution of PureSperm®100 in the density gradient preparation of sperm. 100 mL quantities in borosilicate glass bottles, with silicone stoppers and tamper-evident seals.

Manufacturer: **NidaCon International AB**, Flöjelbergsgatan 16B, SE-431 37, Mölndal, Sweden.
Telephone: + 46 - 31 – 703 06 30 Telefax: + 46 - 31 - 40 54 15 E-mail: contact@nidacon.com

Distributor in Australia/New Zealand: Tek-Event Pty Ltd, P.O.Box 569, Round Corner NSW 2158, Sydney, Australia. Telephone: +61 (0)409 100 952 or +61 (0)408 491 516

2.0 Hazards Identification

The product is classified as non-hazardous according to Dangerous Substances Directive 67/548/EEC, Dangerous Preparations Directive 1999/45/EC, CLP Regulation (EC) No 1272/2008 and US OSHA regulations.

Physical hazards:	None established.
Human Health Effects and Symptoms of Acute Exposure:	None established.
Human Health Effects and Chronic Exposure:	None established.

3.0 Composition/Information on Ingredients

The product contains a physiological salt solution.

4.0 First-Aid Measures

If inhaled:	Remove from exposure. Transfer person to fresh air. If discomfort persists, obtain medical attention.
In case of skin contact:	Wash off with an abundance of water and remove contaminated clothing.
In case of eye Contact:	After initial flushing with physiological saline, remove any contact lenses. Flush thoroughly with physiological saline for 15 minutes. If discomfort persists, obtain medical attention.
If swallowed:	Rinse mouth with water and give water to drink. Never give water to unconscious person. Obtain medical attention.

5.0 Fire-Fighting Measures

Suitable extinguishing media:	Unlikely to burn.
Special fire or explosion hazards:	Not applicable.
Products of combustion:	Not applicable.
Special exposure hazards:	Not applicable.
Protective equipment for fire fighters:	Use correct equipment applicable to primary cause of fire.

6.0 Accidental Release Measures

Personal precautions:	Not applicable.
Environmental precautions:	Always follow the community, state or federal regulations.
Clean-Up methods:	Wipe up using appropriate absorbent material and dispose with normal laboratory refuse, according to community, state or federal regulations.

7.0 Handling and Storage

Incompatible materials:	Not applicable
Storage conditions:	Store at room temperature or if opened at +2° to +8°C.
Handling recommendation:	Use care in handling/storage.
Handling precautions:	Avoid inhaling, ingestion, and contact with eyes and skin.

8.0 Exposure Controls/Personal Protection

Exposure limit:	Not established.
Ventilation requirements:	Normal ventilation.
Respiratory protection:	None known
Eye protection:	None known
Skin protection:	None known

9.0 Physical and Chemical Properties

Appearance: Transparent liquid	Upper Flammable Limits (%): Not applicable.
Odour: odourless	Lower Flammable Limit (%): Not applicable.
Acid/Base: pH 7.4-7.8	Auto flammability (°C): Not applicable.
Viscosity: Physiological salt solution	Vapour Pressure: Not applicable.
Freezing/Melting Point: approx 0°C	Relative Density (water=1): Approx 1.0
Boiling Point: approx 100°C	Solubility in water: Already an aqueous solution.
Flash Point: Not Applicable	Percent Volatility: Not Applicable.
Osmolality: 300-310 mOsm	Aqueous salt solution.

10.0 Stability and Reactivity

Stability under normal conditions:	Stable.
Explosive Properties:	None known.
Hazardous Decomposition:	Not applicable.
Hazardous Polymerization:	Will not occur.
Incompatible Materials to avoid:	None known.

11.0 Toxicological Information

Product is essentially inert. No toxic or ill effects under normal operating conditions.

12.0 Ecological Information

No known adverse ecological effects.

13.0 Disposal Considerations

According to applicable regulations for aqueous, physiological salt solutions, i.e., open container and flush contents with tap water via a drain into the sewage system according to local community, state or federal regulations. The glass bottles and paper cartons can be recycled without adverse problems in the recycled glass and paper system, respectively.

14.0 Transport Information

Non-regulated transport. Non-dangerous goods.

15.0 Regulatory Information

See hazards identification.

United States: 510 (k) K011606

EU: EC Certificate 241568-2017-CE-NOR-NA-PS

16.0 Other information