

SAFETY DATA SHEET

PureSperm[®] 100

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

Product Name: **PureSperm[®] 100**

Product Catalogue No: **PS100-100, PS100-250, PS100-1000K**

PureSperm[®] 100 is a sterile (autoclaved) isotonic salt solution containing colloidal-silica particles coated with silane. For preparation of cells in vitro in the laboratory. 100 mL, 250 mL and 1000 mL quantities in borosilicate glass bottles, with silicone stoppers and tamper-evident seals.

Manufacturer: **NidaCon International AB**, Flöjelbergsgatan 16B, SE-431 37, Mölndal, Sweden.

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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 colloidal-size silica particles coated with silane and suspended in 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:	None known
Products of combustion:	None known
Special exposure hazards:	None known
Protective equipment for fire fighters:	Use correct equipment applicable to primary cause of fire.

6.0 Accidental Release Measures

Personal Precautions:	Floors may be slippery.
Environmental Precautions:	Always follow the community, state or federal regulations.
Clean-Up Methods:	Wipe up using appropriate absorbent material and clean with water. Dispose with normal laboratory refuse, according to community, state or federal regulations.

7.0 Handling and Storage

Incompatible materials:	None known
Storage conditions:	Store at room temperature or if opened at +2° to +8°C.
Handling Recommendation:	Use care in handling. Use aseptic working techniques.
Handling Precautions:	Avoid inhaling, ingestion, and contact with eyes and skin.

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8.0 Exposure Controls/Personal Protection

Exposure limit:	Not established
Ventilation requirements:	Normal ventilation
Respiratory protection:	If dried down to powder form, use face mask when handling large quantities.
Eye protection:	Use safety goggles when handling large quantities.
Skin protection:	Use protection gloves when handling large quantities.

9.0 Physical and Chemical Properties

Appearance: White/beige transparent liquid	Upper flammable Limits (%): Not established
Odour: Odourless	Lower flammable Limit (%): Not established
Acid/Base: pH 7.4-7.8	Auto flammability (°C): Not established
Viscosity: Physiological salt solution	Vapour pressure: Not established
Freezing/Melting Point: Approx 0°C	Relative density (water=1): Approx 1.1
Boiling point: Approx 100°C	Solubility in water: Already an aqueous solution
Flash point: Not established	Percent volatility: Not established
Osmolality: 300-310 mOsm	

10.0 Stability and Reactivity

Stability under normal conditions:	Stable
Explosive properties:	None known
Hazardous decomposition:	Thermal decomposition may yield oxides of carbon.
Hazardous polymerization:	Will not occur
Incompatible materials to avoid:	Avoid contact with oxidizing agents (such as nitric acid).

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) K984172

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

16.0 Other information

The above information is given in good faith, being based on the latest knowledge available to NidaCon International AB. NidaCon International AB disclaims any expressed or implied warranty as to the accuracy of the above information and shall not be held liable for any incidental or consequential damage resulting from reliance on the information given above.