

# NidaCon International AB

## *PureSperm<sup>®</sup> 100*

### MATERIAL SAFETY DATA SHEET

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#### 1.0 Identification of the Substance/Preparation and of the Company/Undertaking

Product Name: **PureSperm<sup>®</sup> 100**

Product Catalogue No: PS100-010, -100, -250 and -1000. Sterile (autoclaved) isotonic salt solution containing colloidal-silica particles coated with silane. For preparation of cells in vitro in the laboratory. 10 mL, 100 mL, 250 mL and 1000 mL quantities in borosilicate glass bottles, with silicone stoppers and tamper-evident seals.

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#### 2.0 Composition/Information on Ingredients

Hazardous ingredients: None established, no ingredients listed as carcinogens. Contains colloidal-size silica particles coated with silane and suspended in a physiological salt solution.

#### 3.0 Hazard Identification

Physical hazards: None established

Human Health Effects and Symptoms of Acute Exposure: None established

Human Health Effects and Chronic Exposure: None established

#### 4.0 First-Aid Measures

Inhalation: Remove from exposure. If discomfort persists, obtain medical attention

Skin Contact: Wash off with water

Eye Contact: Flush thoroughly with physiological saline for 15 minutes. If discomfort persists, obtain medical attention

Ingestion: Rinse mouth with water and give water to drink. Obtain medical attention

#### 5.0 Fire-Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemicals or water

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 the primary cause of fire.

#### 6.0 Accidental Release/Spill Measures

Personal Precautions: Floors may be slippery

Environmental Precautions: Not applicable

Clean-Up Methods: Wipe up using appropriate absorbent material and dispose with normal laboratory refuse, according to community, state or federal regulations

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## 7.0 Handling and Storage

Incompatible Materials: Not applicable

Storage Conditions: Store at room temperature or refrigerated +2° to +8°C

Handling Recommendation: Not applicable

Handling Precautions: Avoid inhaling, ingestion, and contact with eyes

## 8.0 Exposure Control/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 transp. liquid

Odour: odourless

Acid/Base: pH 7.3-7.8 (neutral)

Viscosity: Physiological salt solution

Freezing/Melting Point: approx 0°C

Boiling Point: approx 100°C

Flash Point: not applicable

Osmolality: 300-310 mOsm

Upper Flammable Limits (%): not applicable

Lower Flammable Limit (%): not applicable

Autoflammability (°C): not applicable

Vapour Pressure: not applicable

Relative Density (water=1): approx 1.1

Solubility in water: already water solution

Percent Volatility: not applicable

Aqueous salt solution

## 10.0 Stability and Reactivity

Stability under normal conditions: Stable Explosive Properties: Not applicable

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

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

## 12.0 Ecological Information

Environmental Impact: No known adverse ecological effects

## 13.0 Disposal Considerations

Waste Disposal: 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

Transport Information: Non-regulated transport. Non-dangerous goods.

## 15.0 Regulatory Information

Manufactured according to Total Quality Management (TQM), ISO 9001/13485 and pharmaceutical quality.

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