

# Sperm CryoProtec™ II

## MATERIAL SAFETY DATA SHEET

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

Product Name: Sperm CryoProtec™

Product Catalogue No: SPC-020II. Sterile salt solution containing glycerol. For cryopreservation of human sperm in the laboratory.

20 mL and 100mL 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 Composition/Information on Ingredients

Hazardous ingredients: None established, no ingredients listed as carcinogens. Consists of 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. Remove contaminated clothing.

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. Consult doctor if feeling unwell.

### 5.0 Fire-Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemicals or foam.

Special Fire or Explosion Hazards: Glycerol is combustible; vapour heavier than air, forms explosive mixture with air on intense heating.

Products of Combustion: Acrolein

Special Exposure Hazards: Do not stay in danger zone without suitable protective clothing and self-contained breathing apparatus.

Protective Equipment for Fire Fighters: Use correct equipment applicable to the primary cause of fire.

### 6.0 Accidental Release/Spill Measures

Personal Precautions: Do not inhale vapours/aerosols.

Environmental Precautions: Do not allow to enter sewerage system.

Clean-Up Methods: Wipe up using appropriate absorbant 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: required if vapours/aerosols generated

Eye Protection: required

Skin Protection: use recommended

## 9.0 Physical and Chemical Properties

Appearance: transparent yellowish liquid Upper Flammable Limits (%): not available

Odour: odourless Lower Flammable Limit (%): not available

Acid/Base: pH 7.5-8.5 (neutral) Autoflammability (?C): not applicable

Viscosity: salt solution + glycerol Vapour Pressure: not applicable

Freezing/Melting Point: approx -10?C Relative Density (water =1): approx 1.1

Boiling Point: 130?C Solubility in water: already aqueous solution

Flash Point: - 180?C Percent Volatility: not applicable

## 10.0 Stability and Reactivity

Stability under normal conditions: Stable

Explosive Properties: explosive with air in vaporous/gaseous state when heated

Hazardous Decomposition: may form acrolein in the event of fire

Hazardous polymerization: not available

Incompatible Materials to avoid: strong oxidising agents.

## 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. Biodegradable.

## 13.0 Disposal Considerations

Waste Disposal: According to applicable regulations for glycerol, 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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