

# MATERIAL SAFETY DATA SHEET

## Sperm CryoProtec™ II

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

Product Name: **Sperm CryoProtec™ II**

Product Catalogue No: **SCP-020**

Sperm CryoProtec™ II is a sterile salt solution containing glycerol, optimised for freezing human sperm. 20 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 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

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. Remove contaminated clothing.
In case of eye contact:	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 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 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 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 +10° to +22°C or refrigerated.
Handling recommendation:	Avoid skin contact in order to avoid skin discolouration, staining.
Handling precautions:	Avoid inhaling, ingestion, and contact with eyes and skin.

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## 8.0 Exposure Control/Personal Protection

Exposure limit:	Not established.
Ventilation requirements:	Normal ventilation.
Respiratory protection:	Required if vapours/aerosols generated.
Eye protection:	Use safety goggles.
Skin protection:	Use protection gloves.

## 9.0 Physical and Chemical Properties

Appearance: Transparent yellowish liquid	Upper Flammable Limits (%): Not applicable.
Odour: odourless	Lower Flammable Limit (%): Not applicable
Acid/Base: pH 7.3-8.5 (neutral)	Auto flammability (°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: Approx. 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 if store as recommended.
Explosive properties:	Explosive with air in vaporous/gaseous state when heated.
Hazardous decomposition:	Not applicable.
Hazardous polymerization:	Not available.
Incompatible materials to avoid:	Strong oxidising agents.

## 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. Biodegradable

## 13.0 Disposal Considerations

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 recycling system for glass and paper, respectively.

## 14.0 Transport Information

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

## 15.0 Regulatory Information

Certified according to SS-EN ISO 9001 and SS-EN ISO 13485.

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