

### MATERIAL SAFETY DATA SHEET

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

Product Name: **Dilute™**

Product Catalogue No: BD-100. Aseptically filled isotonic salt solution. For preparation of cells or for dilution of BoviPure™ in vitro in the laboratory. 100 mL solution in borosilicate glass bottles, with silicone stoppers and tamper-evident seals.

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

Emergency: Telephone: + 46 - 31 – 703 06 30      Telefax: + 46 - 31 - 40 54 15

E-mail: [contact@nidacon.com](mailto:contact@nidacon.com)

#### 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

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. No medical attention should be necessary

#### 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: Not applicable

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

#### 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

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## 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: not applicable for this sterile, physiological saline solution  
Skin Protection: not applicable for this sterile, physiological saline solution

## 9.0 Physical and Chemical Properties

Appearance: transparent liquid	Upper Flammable Limits (%): not applicable
Odour: odourless	Lower Flammable Limit (%): not applicable
Acid/Base: pH 7.3-7.8 (neutral)	Autoflammability (°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 water solution
Flash Point: not applicable	Percent Volatility: not applicable
Osmolality: 300-310 mOsm	Aqueous salt solution – physiological saline

## 10.0 Stability and Reactivity

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

## 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.

## 16.0 Other Information

Contact details for Australia/New Zealand:  
Tek-Event Pty Ltd  
P O Box 569  
Round Corner NSW 2158, Australia  
Ph: 0409 100 952 or 0408 491 516  
Email: info@tekevent.com  
Website: www.tekevent.com

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