

NidaCon International AB

SpermMorfoStain™

MATERIAL SAFETY DATA SHEET

Document no: MSDS-5010

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

Product Name: **Sperm MorfoStain™**

Product Catalogue No: SMS-250. Sperm MorfoStain is a methanol/acetone solution containing Eosin Y, Methylene B, May Grunwald, Giemsa, and Azur B. It is a staining solution that is used for analysing and assessing the morphology of sperm.

250 ml volume in plastic Nalgene bottles made of polypropylene.

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

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

E-Mail: contact@nidacon.com

2.0 Composition/Information on Ingredients

Hazardous ingredients: Methanol- Highly flammable. Do not swallow or inhale, avoid skin contact

3.0 Hazard Identification

Physical hazards: Irritating to eyes

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 an abundance of water. Remove contaminated clothing.

Eye Contact: Flush thoroughly with physiological saline for 15 minutes. 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 primary cause of fire.

6.0 Accidental Release/Spill Measures

Personal Precautions: Avoid contact

Environmental Precautions: No known ecological damage

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 +10° to +22°C

Handling Recommendation: Avoid skin contact in order to avoid skin discolouration, staining.

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: Not applicable

Eye Protection: Wear chemical safety goggles

Skin Protection: Use protection gloves

9.0 Physical and Chemical Properties

Appearance: Blue liquid Upper Flammable Limits (%): not applicable

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

Acid/Base: pH 7.3-9, 5 Auto flammability (°C): not applicable

Viscosity: Physiological salt solution Vapour Pressure: not applicable

Freezing/Melting Point: approx 0°C Boiling Point: approx 100°C

Solubility in water: already water solution Flash Point: not applicable

Percent Volatility: not applicable Aqueous salt solution

Osmolality: 300-310 mOsm

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.

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