

MATERIAL SAFETY DATA SHEET

Sperm MorfoStain™

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 EosinY, Methylene B, May Grunwald, Giemsa, and Azur B. It is a staining solution used for analysing and assessing the morphology of sperm. 250 ml volume in polypropylene bottles.

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

2.0 Composition/Information on Ingredients

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

3.0 Hazard Identification

Highly flammable. Toxic by inhalation, in contact with skin and if swallowed. Toxic: danger if very serious irreversible effects through inhalation, in contact with skin and if swallowed.

4.0 First-Aid Measures

If inhaled:

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

In case of skin contact:

Wash off with an abundance of water. Remove contaminated clothing.

In case of eye Contact:

Make sure to remove any contact lenses from the eyes before rinsing. Flush thoroughly with physiological saline for 15 minutes while lifting the eye lids. Obtain medical attention if any discomfort continues.

If swallowed:

Do not induce vomiting. Never make an unconscious person vomit or drink fluids. Get medical attention immediately!

5.0 Fire-Fighting Measures

Suitable extinguishing media:

Use water spray, fog or mist. Dry chemical, alcohol resistant foam

Special fire or explosion hazards:

May travel considerable distance to source of ignition and flash back.

Protective equipment for fire fighters:

Use correct equipment applicable to primary cause of fire.

6.0 Accidental Release/Spill Measures

Personal Precautions:

Wear protective clothing as described in section 8 below.

Clean-Up Methods:

Extinguish all ignition sources. Avoid sparks, flames heat and smoking. Ventilate. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers and dispose according to community, state or federal regulations. Store in suitable closed containers. Flush area with water.

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7.0 Handling and Storage

Keep away from heat, sparks or flame. Risk of vapour concentration on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented.

Storage conditions:

Store at +10° to +22°C in dry, well-ventilated area.

Handling Precautions:

Avoid spilling, inhaling, ingestion, and contact with eyes and skin.

8.0 Exposure Control/Personal Protection

Exposure limit:

Not established.

Ventilation requirements:

Well ventilated area, use a safety cabinet while handling the product. Provide explosion proof ventilation for high concentrations.

Respiratory protection:

Not applicable if ventilation is provided.

Eye protection:

Use safety goggles, provide eye wash station.

Skin protection:

Use protection gloves made of butyl rubber, viton rubber (flour rubber) or P.T.F.E (Teflon). Consult glove supplier.

9.0 Physical and Chemical Properties

Appearance: Blue liquid

Upper Flammable Limits (%): 37

Odour: Odour of alcohol

Lower Flammable Limit (%): 7

Acid/Base: pH 7.3-9, 5

Auto flammability (°C): 464

Solubility Miscible but leaves insoluble residue

Flash Point: ~12C Not noted

10.0 Stability and Reactivity

Stability under normal conditions:

Stable if store as recommended

Conditions to avoid:

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers

11.0 Toxicological Information

Inhalation

Toxic by inhalation. Toxic: danger of very serious irreversible effects through inhalation. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Central nervous system depression.

Ingestion

Toxic if swallowed. Toxic: danger of serious damage to health by prolonged exposure if swallowed. May cause stomach pain or vomiting. Drowsiness, dizziness, disorientation, vertigo. Central nervous system depression.

Skin contact

Toxic in contact with skin. Toxic: danger of very serious irreversible effects in contact with skin.

Eye contact

Irritation, burning, lachrymation, blurred vision after liquid splash.

Other health effects

This substance has no evidence of carcinogenic, mutagenic or teratogenic effects.

12.0 Ecological Information

No known adverse ecological effects

13.0 Disposal Considerations

Dispose of waste and residues in accordance with local authority requirements.

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14.0 Transport Information

Flammable Liquid
Toxic

PROPER SHIPPING NAME	METHANOL	UK ROAD PACK	GR.II
UN NO. ROAD	1230	ADR CLASS	Class 3: flammable liquids
ADR CLASS N .	3	ADR LABEL NO.	3 & 6.1
ADR PACK GROUP	II	CEFIC TEC(R) NO.	30GT5-II
HAZCEM CODE	2WE	RID PACK GROUP	II
RID CLASS NO.	3	MFAG	19
EMS	F-E, S-D	UN NO. AIR	1230
MARINE POLLUTANT	No	AIR SUB CLASS	6.1
AIR CLASS	3		
IMDG SUB CLASS	6.1		

15.0 Regulatory Information

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

Labelling

Contains	Methanol
Risk Phrases	R11 Highly flammable
	R23/24/25 Toxic by inhalation, in contact with skin and if swallowed
	R39/23/23/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
Safety phrases	S9 Keep container in a well-ventilated place
	S16 Keep away from sources of ignition – No smoking
	S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
	S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
	S60 This material and its container must be disposed of as hazardous waste

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