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## Material Safety Data Sheet SPERM Vitality

### 1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name SPERM Vitality  
Product use In vitro determination of sperm vitality  
Manufacturer BIOSCREEN  
9864 E. Gran River  
Suite 110-200  
Brighton, MI 48116

Rev. On JAN 2016

For emergency information : +001 2122606692

### 2.0 HAZARD IDENTIFICATION

The Vitality test is not considered as a dangerous substance according to Directive 67/548/EEC and Directive 1999/45/EC.

Potential Acute Health Effects May be harmful by ingestion.  
May cause skin or eye irritation.  
May be irritating to mucous membranes and upper respiratory tract

Potential Chronic Health Effects Not available

For professional in vitro diagnostic use only.

### 3.0 COMPOSITION / INFORMATION ON THE COMPONENTS

Product components	Approx. %	Component	CAS-code
17372-87-1	1%	Eosin	
8005-03-6	5%	Nigrosin	

7647-14-5	<1%	NaCl
		Water
7732-18-5	>90%	
26628-22-8	0.09%	Na-azide

#### 4.0 FIRST AID MEASURES

Inhalation	:	None
Eyes	:	Flush with copious amounts of water for at least 15 minutes. Insure adequate flushing by separating the eyelids with fingers.
Skin	:	Wash after each contact with either reagent.
Ingestion	:	Wash out mouth with water (contact doctor) Obtain medical attention if any discomfort should occur.

#### 5.0 FIRE FIGHTING MEASURES

Extinguishing media	:	Not applicable
Special exposure hazards	:	Not applicable
Special fire fighting procedure	:	Not applicable
Unusual fire and explosion hazards	:	Not applicable

#### 6.0 ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear chemical safety goggles. Wear rubber gloves. Avoid contact with skin, eyes and clothing  
 Environmental precautions: Not applicable  
 Methods for cleaning up: Rinse spill area with water. Dispose with laboratory waste.

#### 7.0 HANDLING AND STORAGE

Handling	:	See heading 8.
Storage	:	Store at RT 15°C - 30°C. Do not freeze before use. Keep away from heat, heat source & direct sunlight. Do not uses after expiry date. Keep container / bottles closed & in vertical position after use. No specific storage is required.

#### 8.0 EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limit values	:	Not applicable
(Occupational) exposure controls	:	Wear chemical safety goggles. Wear rubber gloves. Avoid contact with skin, eyes and clothing. Avoid inhalation. Avoid mouth pipetting.
Environmental exposure controls	:	Not applicable

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

### *Eosin stain*

Appearance and odour : Red, odourless  
Solubility in water : Complete

### *Nigrosin*

Appearance and odour : Black, odourless  
Solubility in water : Complete

## 10.0 STABILITY AND REACTIVITY

Stability : Stable  
Incompatibility : None known  
Hazardous decomposition products : None Known

## 11.0 TOXICOLOGICAL INFORMATION

Na-azide : May be fatal if inhaled, swallowed or absorbed through skin. May cause eye irritation. May cause skin irritation. Exposure can cause: nausea, headache and vomiting. May alter genetic material. Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelisation of myelinated nerve fibres in the central nervous system, testicular damage, blindness, attacks of rigidity, hepatic and cerebral effects.

## 12.0 ECOLOGICAL INFORMATION

Ecotoxicity : No known ecological damage  
Mobility : Not available  
Persistence and degradability : Not available  
Bioaccumulative potential : Not available

## 13.0 DISPOSAL

Dispose with laboratory waste.

## 14.0 TRANSPORT INFORMATION

Not classified as Hazardous for Transport.

	ADR/RID	IMDG	IATA
UN Number	--	--	--
UN proper Shipping Name	Not Dangerous goods	Not Dangerous goods	Not Dangerous goods
Transport Hazard Class (es)	--	--	--
Packing Group	--	--	--
Environmental Hazards	--	--	--
Special Precautions For User	No Data Available		

**15.0 REGULATORY INFORMATION**

**15.1** This product does not contain any ingredients which have been determined to be health hazards pursuant to U.S. OSHA regulations, and which comprise 1% or more (0.1% for carcinogens) of the mixture.

**15.2** This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.3 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No data available

**15.4 Chemical Safety Assessment**  
No data available

**15.5 Information shown on the labels:**  
Name of Product, Volume, Lot / Batch Number, Expiry Date, Temperature Limitation, Name and Address of Manufacturer.

**16.0 OTHER INFORMATIONS**

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must take independent determinations of the suitability and completeness of information from all other sources to assure proper use and disposal of these materials and the safety and health of employees and customers. BIOSCREEN shall not be held liable for any damage resulting from handling or from contact with its products.