

MATERIAL SAFETY DATA SHEET

FertiPro N.V.- Belgium

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : Hyaluronidase in FertiCult Flushing medium
Product use : Cell culture medium for use in ART (*for professional use only*)
Distributor : FertiPro N.V.
Industriepark Noord 32
B-8730 Beernem - Belgium
For emergency information : 32 50 79 18 05

2. HAZARD IDENTIFICATION

Hyaluronidase in FertiCult Flushing medium 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.

3. COMPOSITION / INFORMATION ON THE COMPONENTS

Product components:	Component	CAS-code	Amount
	Hyaluronidase (from bovine source)	37326-33-3	80 IU/mL
	Water	7732-18-5	> 90%
	NaCl	7647-14-5	< 1%
	KCl	7447-40-7	< 1%
	CaCl ₂ ·2H ₂ O	10035-04-8	< 1%
	NaH ₂ PO ₄ ·2H ₂ O	13472-35-0	< 1%
	MgSO ₄ ·7H ₂ O	10034-99-8	< 1%
	Na-pyruvate	113-24-6	< 1%
	Glucose monohydrate	14431-43-7	< 1%
	Na-lactate	867-56-1	< 1%
	NaHCO ₃	144-55-8	< 1%
	Human serum albumin	70024-90-7	0.4%
	HEPES	7365-45-9	< 2%

4. FIRST AID MEASURES

Inhalation : Not a likely source of exposure
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
Ingestion : Wash out mouth with water (see doctor after swallowing)
Obtain medical attention if any discomfort should occur.

5. 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. 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. HANDLING AND STORAGE

Handling	:	See heading 8.
Storage	:	Store at 2-8°C. Do not freeze before use. Keep away from sunlight. After opening the container, do not use the product longer than 7 days. Do not use after expiry date.
Specific use	:	See instructions for use delivered with the device.

8. 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. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour	:	White/yellow transparent liquid, odourless
pH	:	7.30-7.90 (@25°C under air)
Boiling point	:	Not available
Flash point	:	Not available
Flammability	:	Not available
Explosive properties	:	Not available
Oxidising properties	:	Not available
Vapour pressure	:	Not available
Relative density	:	Not available
Solubility	:	Highly soluble in water
Solubility in water	:	Complete
Partition coefficient	:	Not applicable
Viscosity	:	Not available
Vapour density	:	Not available
Evaporation rate	:	Not available

10. STABILITY AND REACTIVITY

Stability	:	Stable
Conditions to avoid	:	None known
Materials to avoid	:	None known
Hazardous decomposition products	:	None known

11. TOXICOLOGICAL INFORMATION

Human serum albumin	:	The plasma which is the source of the human serum albumin is tested for antibodies to HIV and HCV and non-reactive for HbsAg, HBV RNA, HCV RNA, HIV-1 RNA and syphilis. The albumin agrees with all the requirements set forth by the European and United States health authority regarding safety
Hyaluronidase	:	The hyaluronidase used in this product is extracted and purified from bovine testes. The testes were collected from animals which were found healthy by pre- and post-mortem inspection and which were exempt from Bovine Spongiform Encephalopathy (BSE).
Cytotoxicity	:	Extensive data on Mouse Embryo Assays have demonstrated that the medium is not toxic
Routes of exposure	:	Under normal conditions there is no exposure to the product

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL

Dispose with laboratory waste.

14. TRANSPORT INFORMATION

Not classified as Hazardous for Transport.

15. REGULATORY INFORMATION

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.

Information shown on the labels	:	Name of the medium. Volume. Main components. Concentration Hyaluronidase and HSA. Endotoxin specification. MEA specification. Ready-to-use. Do not use if cloudy. Reference number. Lot number. Expiry date. Temperature limitation: 2-8°C. Keep away from sunlight. Read instructions for use. Sterilized by aseptic filtration. Name and address of manufacturer. Label version number.
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16. 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. FertiPro N.V. shall not be held liable for any damage resulting from handling or from contact with its products.