

MATERIAL SAFETY DATA SHEET

FertiPro N.V. - Belgium

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : Sil-Select Plus/Stock
Product use : Cell preparation medium (for professional use only)
Manufacturer : FertiPro N.V.
Industriepark Noord 32
B-8730 Beernem
Belgium
For emergency information : 32 50 79 18 05 (available during European Office hours)
E-mail : info@fertipro.com

2. HAZARD IDENTIFICATION

Sil-Select Plus/Stock are not considered as dangerous substances 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	Approx. %
	Water	7732-18-5	< 60%
	CaCl ₂ .2H ₂ O	10035-04-8	< 1%
	KCl	7447-40-7	< 1%
	MgSO ₄ .7H ₂ O	10034-99-8	< 1%
	NaCl	7647-14-5	< 1%
	NaH ₂ PO ₄ .2H ₂ O	13472-35-0	< 1%
	Glucose monohydrate	14431-43-7	< 1%
	NaHCO ₃	144-55-8	< 1%
	Na-pyruvate	113-24-6	< 1%
	HEPES	7365-45-9	< 2%
	Silanised silica	not applicable	< 90%

Sil-Select Plus/Stock do not contain any raw materials of direct animal-origin or materials that have been produced using animal-origin components. Components have not been in contact with material of animal origin during processing and therefore pose no TSE risk.

4. FIRST AID MEASURES

Inhalation : Not a likely sources of exposure
Eyes : Flush with large amounts of water
Skin : Wash after each contact
Ingestion : Wash out mouth with water (see doctor when swallowing)

Obtain medical attention if any discomfort should occur.

5. FIRE FIGHTING MEASURES

Flash point	:	None
Extinguishing media	:	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. After opening the container, the product can be used safely up to 7 days after opening when sterile conditions are maintained and products are stored at 2-8°C. 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, milky liquid, odourless
pH	:	7.20-7.60
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	:	< 1.13g/mL
Solubility	:	Highly soluble in water
Solubility in water	:	Complete
Partition coefficient	:	Not applicable
Viscosity	:	< 2cP at 25°C
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

11. TOXICOLOGICAL INFORMATION

Cytotoxicity : Extensive data on Sperm Survival Tests have demonstrated that the medium is not toxic. Sil-Select Plus/Stock has been evaluated for its cytotoxicity by an independent test laboratory using the AGAR Diffusion test. The medium meets the requirements of the ISO 10993-5 guidelines

Sensitization : Sil-Select Plus/Stock has been evaluated for its sensitizing potential by an independent test laboratory using the Kligman maximization test. The medium meets the requirements of the ISO 10993-10 guidelines

Irritation : Sil-Select Plus/Stock has been evaluated for its irritating potential by an independent test laboratory using the primary vaginal test – repeat exposure. The medium meets the requirements of the ISO 10993-10 guidelines

Systemic toxicity : Sil-Select Plus/Stock has been evaluated for its biological reaction by an independent test laboratory using the systemic injection test. The medium meets the requirements of the ISO 10993-11 and ISO 10993-12 guidelines

Routes of exposure : The medium does not come into contact with the patient

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. Reference number. Lot number. Expiry date. Temperature limitation: 2-8°C. Read instructions for use. Sterilized by aseptic filtration. Name and address of manufacturer. Label version number.

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.