

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Product name: Panserin 701, Serum-free medium for Lymphocytes, w: L-Glutamine, w: PHA-L

Product number: P04-710701M

Brand: PAN Biotech

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Cell culture medium, serum-free

Details of the supplier of the safety data sheet

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2. HAZARDS IDENTIFICATION

The product contains no substances which at their given concentration, are considered to be hazardous to health

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name	CAS #	EG #	Concentration
Panserin 701	-	-	-
Ethanolamin	141-43-5	205-483-3	< 0.1%
Phosphoethanolamin	1071-23-4	-	< 0.1%
β-Mercaptoethanol	60-24-2	200-464-6	< 0.1%

4. FIRST AID MEASURES

Skin contact	Wash off immediately with plenty of water. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Notes to physician	Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	Dry chemical, water spray, Carbon dioxide (CO ₂), Foam
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.
Methods for cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
Storage	Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	Handle in accordance with good industrial hygiene and safety practice.
Personal protective equipment	
Eye/face protection	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection	

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	liquid
Appearance	no data available
Odour	no data available
Boiling Point/Range	no data available
Melting Point/Range	no data available
Flash Point	no data available
Autoignition temperature	no data available
Oxidising properties	no data available
Water solubility	soluble

10. STABILITY AND REACTIVITY

Stability	no data available
Materials to avoid	no data available
Hazardous decomposition products	no data available
Polymerisation	no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity	no data available
Potential Health effects	
Eyes	May cause eye irritation.
Skin	May cause skin irritation.
Inhalation	May be harmful if inhaled.
Ingestion	May be harmful if swallowed.
Specific effects	
Carcinogenic effects	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable,

Mutagenic effects	possible or confirmed human carcinogen by IARC.
Reproductive toxicity	no data available
Sensitisation	no data available

12. ECOLOGICAL INFORMATION

Toxicity	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
Results of PBT and vPvB assessment	no data available
Other adverse effects	no data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging Dispose of as unused product

14. TRANSPORT INFORMATION

UN number

ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

15. REGULATORY INFORMATION

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

Chemical Safety Assessment no data available

16. OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PAN Biotech GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See www.pan-biotech.com or reverse side of invoice or packing slip for additional terms and conditions of sale.