

## Material Safety Data Sheet according to 91/155/EEC

### 1. Identification of the substance/preparation and of the company

**Trade names**

Artificial Serum/plasma I, Product No. ASP-001

**Manufacturer/Supplier**

See below.

**Telephone/Telefax**

See below.

**Emergency Telephone**

+44 (0)28 95438774

### 2. Composition/Information on ingredients

Component	CAS no.	Classification	%
Proprietary formulation, containing non-hazardous components over 1%	None	None	100

### 3. Hazards identification

**Emergency overview**

Non-hazardous liquid. This product is non-flammable.

**Potential health effects**

Eye exposure could cause mild to severe irritation in some individuals.

**Potential environmental effects**

No data available.

### 4. First-aid measures

**Eye contact**

Flush thoroughly with water or physiological salt water. Remember to remove contact lenses. If irritation persists, seek medical advice.

**Skin Contact**

No adverse acute effects are expected via this route of entry. Remove contaminated clothing and wash the affected areas with water and soap.

**Inhalation**

No adverse acute effects are expected via this route of entry. No special first aid measures are necessary. Inhalation or aspiration unlikely.

**Ingestion**

Rinse mouth and drink plenty of water. Keep under surveillance. If person feels queasy/discomfort, seek medical advice.

**Information**

Show this Safety Data Sheet to a physician or emergency ward.

### 5. Fire-fighting measures

**Flammability**

Not combustible; aqueous solution.

**Extinguishing media – suitable**

Use suitable extinguishing media for surrounding fire.

## Extinguishing media – NOT suitable

-

## Special risks in a fire situation

When heated to dryness the product may form hazardous decomposition products.

## Protective equipment

When extinguishing fires use breathing apparatus with an independent source of air.

## Additional information

-

## 6. Accidental release measures

### Personal precautions

Wear suitable laboratory protective clothing. See protective equipment listed in section 8.

### Methods for cleaning up/collecting

Absorb spilled liquid and place spillage in a disposal container. Wash the area of the spill thoroughly with water and soap.

## 7. Handling and storage

### Safe handling

See section 8.

### Safe storage

At 4°C. Keep container closed when not in use. Protect against light.

## 8. Exposure controls and personal protection

### Engineering measures (prevention of worker exposure)

Avoid contact with skin and eyes.

### Personal protective equipment

Eye protection:	Wear safety goggles when risk of splashes.
Skin protection:	Use gloves of plastic or rubber when risk of contact.
Respiratory protection:	None.

## 9. Physical and chemical properties

Appearance:	Clear, light yellow liquid
Odour:	-
Boiling point (°C):	100
Flash point (°C):	-
Density (g/ml) at 20°C:	Approximately 1
Solubility in water:	Complete
pH:	6.8-7.6
Melting point	Not available
Freezing point	Not available

## 10. Stability and reactivity

### Stability

Commercially stable.

### Conditions to avoid

-

### Materials to avoid

-

### Hazardous decomposition products

When heated to dryness the product may form hazardous decomposition products.

## 11. Toxicology information

Although complete toxicity information on this product is not available, none of its components are known to be toxic or hazardous at working concentrations. Artificial Serum/plasma I contains the mercury-free preservatives, 2-Chloroacetamide (0.1%) and 2-Methyl-4-isothiazolin-3-one (0.01%) , which can produce adverse health effects in their concentrated forms. For more information on these components, refer to the MSDS Sheets available from the manufacturer (Sigma-Aldrich).

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Web site: www.biopanda-diagnostics.com

## 12. Ecological information

No data available.

## 13. Disposal considerations

Disposal should be according to local, state or national legislation.

## 14. Transport information

### Road/Rail (ADR/RID)

Class:-

UN No.:-

Proper Shipping Name:-

Item No.:-

Letter: -

### Sea (IMDG)

IMDG Class:-

UN No.:-

MFAG:-

Pack. Group:-

IMDG Page No.:-

MARPOL:-

EmS:-

### Air (ICAO/IATA)

ICAO Class:-

ICAO UN No.:-

## 15. Regulatory information

### Classification according to EEC directives

It has been evaluated that the preparation is not to be classified according to EEC directive 88/379/EEC.

**Danger symbol and danger designation:** None

**Risk-phrases:** -

**Safety-phrases:** -

**EINECS no.:** -

## 16. Other information

### Use

For research and analysis.

### Restriction on application

-

### Requirements concerning special training

No special training is anticipated; however, the user should be well instructed for the execution of his task, have knowledge of this Safety Data Sheet and normal training in the use of personal protective equipment.

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