

Safety Data Sheet

SECTION 1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifiers

Product Names: Lymphocyte Separation Media
Product Code: AC-AF-0017, AC-AF-0018

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

Identified uses: Used in biotechnology, only for professional users/industrial.

1.2 Details of the supplier of the safety data sheet

Company: Dirk Hindorf - anprotec
Alte Poststraße 45
91590 Bruckberg
Germany
Phone: 0049-9824-2254196
E-Mail: info@anprotec.de

1.3 Emergency telephone number

Emergency Phone: Regular Office Hours 0049-9824-2254196

SECTION 2 Hazards Identification

2.1 Classification of the substance or mixture

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements

None.

2.3 Other hazards

Product fails to meet PBT/vPvB criteria

SECTION 3 Composition/Information on Ingredients

3.1 Substance Non-applicable

3.2 Mixture

Chemical description: Water-based mixture of inorganic and organic compounds

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SECTION 4 **First Aid Measures**

4.1 **Description of first aid measures**

Consult a doctor in case of discomfort showing the SDS for the product.

If inhaled

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication

remove the person affected from the exposure area and provide with fresh air.

In case of skin contact

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to

the skin (stinging, redness, rashes, blisters,...), seek medical advice.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

In case of consumption in large quantities, it is recommended to seek medical assistance.

4.2 **Most important symptoms and effects, both acute and delayed**

Acute and delayed effects are indicated in sections 2 and 11.

4.3 **Indication of any immediate medical attention and special treatment needed**

No data available.

SECTION 5 **Firefighting Measures**

5.1 **Extinguishing media**

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use.

In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

5.2 **Special hazards arising from the substance or mixture**

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

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5.3 Advice for firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA).

Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies.

Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures.

Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Isolate leaks provided that there is no additional risk for the people performing this task.

6.2 Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and materials for containment and cleaning up

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7 Handling and Storage

7.1 Precautions for safe handling

A. Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container.

Maintain order, cleanliness and dispose of using safe methods.

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B. Technical recommendations for the prevention of fires and explosions

It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products.

Consult section 10 for conditions and materials that should be avoided.

C. Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products

D. Technical recommendations to prevent environmental risks

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2.

7.2 Conditions for safe storage, including any incompatibilities

A. Technical measures for storage

Store in a cool, dry, well-ventilated location

B. General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end uses

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8 Exposure Controls/Personal Protection

8.1 Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace.

There are no occupational exposure limits for the substances contained in the product

DNEL (Workers): Non-applicable

DNEL (General population): Non-applicable

PNEC: Non-applicable

8.2. Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Ensure adequate ventilation, especially in confined areas.

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Personal protective equipment

Eye/face protection

Non applicable

Specific protection for the hands

Non applicable

Body protection

Non applicable

Respiratory protection

It is not necessary to take additional emergency measures.

SECTION 9 Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Fluid
Colour:	Colourless
Odour:	No data available.
Odour threshold:	No data available.

Volatility:

Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2350 Pa
Vapour pressure at 50 °C:	12381,01 Pa (12,38 kPa)

9.2. Other safety information

pH:	6,5 - 7,5
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SECTION 10 Stability and Reactivity

10.1. Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2. Chemical stability

Chemically stable under the conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

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SECTION 11 Toxicological Information

11.1. Information on toxicological effects

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

Potential health effects

No data available

SECTION 12 Ecological Information

12.1. Toxicity

sodium hydroxide

CAS: 1310-73-2

EC: 215-185-5

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

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12.5. Results of PBT and vPvB assessment
Product fails to meet PBT/vPvB criteria

12.6. Other adverse effects
No data available.

SECTION 13 Disposal Considerations

13.1. Waste treatment methods

Codes	Description
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

Waste class (Regulation (EU) No1357/2014) Non dangerous

Waste management (disposal and evaluation)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue.

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14 Transport Information

14.1. UN-number
No data available.

14.2. UN proper shipping name
No data available.

14.3. Transport hazard class(es)
No data available.

14.4. Packaging group
No data available.

14.5. Environmental hazards
No data available.

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14.6. Special precautions for user

No data available.

SECTION 15 Regulatory Information

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH):
Non-applicable.

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date:
Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer:
Non-applicable

Article 95, REGULATION (EU) No 528/2012:
Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

15.2. Chemical Safety Assessment

The supplier has not carried out evaluation of chemical safety.

SECTION 16 Other 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.

Dirk Hindorf - anprotec shall not be held liable for any damage resulting from handling or from contact with the above product.

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International air transport association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

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LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol–water partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

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