

MATERIAL SAFETY DATA SHEET

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

Product identifiers

Product name: Erythrocyte Lysis Buffer 1x
Product number: P10-90100, P10-90500, P10-900010

Brand: PAN Biotech

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

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

Company: PAN Biotech GmbH
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Emergency telephone number

Emergency phone: +49-(0)8543-6016-30 or +49 151 51557123

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: RBC Lysing buffer

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

4. FIRST AID MEASURES

Skin contact

Wash off with soap and plenty of water.

Eye contact

Flush eyes with water as a precaution.

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Inhalation

If breathed in, move person to fresh air. If not breathing, give artificial respiration.

5. FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media

Use water spray, carbon dioxide, dry chemical, or alcohol resistant foam.

Special hazards arising from the substance or mixture

Carbon oxides, Sodium oxides.

Special Protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas.

Environmental precautions

No special environmental precautions required.

Methods for cleaning up

Sweep up. Keep in suitable, closed containers for disposal

7. HANDLING AND STORAGE

Handling

Provide appropriate exhaust ventilation at places where dust is formed.

Storage

Store in cool place. Keep container tightly closed. Store at +2°C to RT

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Handle in accordance with the good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

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

Body Protection

Chose the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not required. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------|
| Appearance | Form: Liquid |
| pH | No data available |
| BP/BP Range | No data available |
| MP/MP Range | No data available |
| Flash Point | No data available |
| Flammability | No data available |
| Autoignition Temp | No data available |
| Oxidizing Properties | No data available |
| Explosive Properties | No data available |
| Explosion Limits | No data available |
| Vapor Pressure | No data available |
| Partition Coefficient n-Octanol/water | No data available |
| Viscosity | No data available |
| Vapor Density | No data available |
| Saturated Vapor Conc. | No data available |
| Evaporation Rate | No data available |
| Relative Density | No data available |
| Decomposition Temp. | No data available |
| Solvent Content | No data available |
| Water Content | No data available |
| Surface Tension | No data available |
| Conductivity | No data available |
| Solubility | No data available |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Stability | Stable under recommended storage conditions. |
| Materials to avoid | Strong oxidizing agents |
| Hazardous decomposition products | No data available |
| Polymerisation | No data available. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|--|
| Acute toxicity | No data available |
| Skin corrosion/Skin irritation | No data available |
| Serious eye damage | No data available |
| Inhalation | No data available |
| Ingestion | No data available |
| Germ cell mutagenicity | No data available |
| Carcinogenicity | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC |
| 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 |
| Additional Information | RTECS: Not available To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

Special precautions for user

no data available

15. REGULATORY INFORMATION

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

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.