

MATERIAL SAFETY DATA SHEET

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

Product identifiers

Product name: Product number: RPMI 1640, w/o: L- Glutamine, w: 25 mM Hepes, w: 2,0 g/l NaHCO3 P04-18000

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 Am Gewerbepark 13 94501 Aidenbach GERMANY

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Emergency telephone number

Emergency phone:

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

2. HAZARDS INDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC. **Label elements**

The product does not need to be labelled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

If inhaled

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



In case of skin contact In case of eye contact If swallowed Notes to physician	Wash off with soap and plenty of water. Flush eyes with water as a precaution. Never give anything by mouth to an unconscious person. Rinse mouth with water. Treat symptomatically.
	5. FIREFIGHTING MEASURES
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Advice for firefighters	Wear self contained breathing apparatus for firefighting if necessary.
6.	ACCIDENTAL RELEASE MEASURES
Personal precautions Environmental precautions Methods for cleaning up	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Take up mechanically and collect in suitable container for disposal.
	7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Wear personal
	protective equipment.
Storage	Keep container closed in a dry and well-ventilated place.

8. <u>EXPOSURE CONTROLS/PERSONAL PROTECTION</u>

Exposure controls	We are not aware of any national exposure limit.
Appropriate engineering controls	General industrial hygiene practice.
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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and he standard EN 374 derived from it.

Body Protection

impervious clothing, 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. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form: li	quid
Odour n	no data available
Odour Threshold n	no data available
pH r	no data available
Melting point/freezing point n	no data available
Initial boiling point and boiling range	no data available
Flash point n	no data available
Evapouration rate n	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure n	no data available
Vapour density n	no data available
Relative density n	no data available
Water solubility n	no data available
Partition coefficient: noctanol/water n	no data available
Auto-ignition temperature n	no data available
Decomposition temperature n	no data available
Viscosity n	no data available
Explosive properties n	no data available
Oxidizing properties n	no data available

10. STABILITY AND REACTIVITY

Reactivity	no data available
Chemical stability	Stable under normal conditions.
Materials to avoid	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	None under normal use.
Polymerisation	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity	not hazardous	
Priniciple Routes of Exposure/ Potential Health effects		
Eyes	May cause eye irritation with susceptible persons.	
Skin	May cause skin irritation in susceptible persons.	
Inhalation	May be harmful by inhalation.	
Ingestion	May be harmful if swallowed	
Carcinogenic effects	none	



Mutagenic effects Reproductive toxicity Sensitisation none none none

12. ECOLOGICAL INFORMATION

Toxicity Biodegradation Bioaccumulative potential Mobility no data available Inherently biodegradable. Does not bioaccumulate. 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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. **Safety, health and environmental regulations/legislation specific for the substance or mixture** no data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

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 <u>www.pan-biotech.com</u> or reverse side of invoice or packing slip for additional terms and conditions of sale.