

Material Safety Data Sheet

acc. to ISO/DIS 11014

Last date of revision: January 05
Version 1

1. Product and Company Information

Product Name	Biotin Blocking Buffer
Product Number	2-0501-002
Company	IBA GmbH Rudolf-Wissell-Str. 28 37079 Goettingen Germany
Technical Phone	+49-551-50672(0)- 160
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Web	www.iba-go.com
Emergency Phone	+49-551-19240 (Poison Information Center Goettingen, Germany, 24h)

2. Composition/Information on Ingredients

These products contain proprietary ingredients that include general salts, buffers, and ingredients at low concentrations.

Hazardous Ingredients (specific)	%	CAS #	LD ₅₀
NaCl	6.7	7647-14-5	oral rat: 3000 mg/kg oral mouse: 4000 mg/kg
Na ₂ HPO ₄ ·2H ₂ O	2.3	7558-79-4	NA
KH ₂ PO ₄	0.54	7778-77-0	NA
Ethylenediaminetetraacetic acid (EDTA)	0.29	60-00-4	oral rat: 2600 mg/kg oral mouse: 30 mg/kg
Avidine*	less than 0.01	1405-69-2	NA
Water	Rest	7732-18-5	NA
pH 7.0			

*Avidin is a natural egg-protein and does not contain any toxic or hazardous compounds.

3. Hazards Identification

Inhalation:	Do not breath vapour.
Ingestion:	Ingestion may cause gastrointestinal irritation.
Skin contact:	Substance may cause slight skin irritation. May be adsorbed through the skin in harmful amounts.
Eye contact:	Moderately irritating to the eyes.
Sensitization:	None.

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4. First Aid Measures

General information:	No special measures required.
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Immediately wash with water and soap and rinse thoroughly. If skin irritation persists, call a physician.
After eye contact:	Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:	Call for a doctor immediately. Do not induce vomiting without medical advice.
After ingestion:	Induce vomiting and call for medical help.

5. Fire Fighting Measures

Not flammable.

6. Accidental Release Measures

Person-related safety precautions:	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
Measures for cleaning/collecting:	Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

7. Handling and Storage

Handling:	No special precautions are necessary if used correctly.
Storage:	Conditions of Storage: Keep tightly closed. Store at 2-8°C.

8. Exposure Controls and Personal Protection

General protective and hygienic measures:	Keep away from foodstuffs and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.
Protection of hands:	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.
Skin and body protection:	Wear appropriate body protection to prevent skin contact.
Eye protection:	Wear appropriate eye protection to prevent eye contact.

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9. Physical and Chemical Properties

Appearance	Physical State: Liquid
Property	Value
pH	7.0
BP/BP Range	N/A
MP/MP Range	N/A
Flash Point	N/A
Flammability	not flammable
Auto-ignition Temp	not self-igniting
Oxidizing Properties	N/A
Explosive Properties	not explosive
Explosion Limits	N/A
Vapor Pressure	N/A
SG/Density	N/A
Partition Coefficient	N/A
Viscosity	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
Evaporation Rate	N/A
Bulk Density	N/A
Decomposition Temp.	N/A
Solvent Content	N/A
Water Content	N/A
Surface Tension	N/A
Conductivity	N/A
Miscellaneous Data	N/A
Solubility	complete

10. Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Polymerization:	None under normal processing.
Hazardous decomposition products:	No decomposition if used according to specifications.

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11. Toxicological Information

Mutagenic effects:	No data available.
Inhalation:	Harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
On the skin:	Skin Contact: Causes skin irritation.
Ingestion:	May be harmful if swallowed.
On the eye:	Causes eye irritation.
Sensitization:	No data available.
Additional toxicological Information:	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological Information.

No data available.

13. Disposal Considerations

Dispose in accordance with applicable laws.

14. Transport Information

RID/ADR: Non-hazardous for road transport.
 IMDG: Non-hazardous for sea transport.
 IATA: Non-hazardous for air transport.

15. Regulations

No known healthy hazards in this concentration. Therefore the preparation is not to be classified according to EEC directive 88/379/EEC.

Special training:

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

16. Other Information

WARRANTY

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. IBA GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2004 IBA GmbH. License granted to make unlimited paper copies for internal use only.

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