

Safety data sheet following EC 1907/2006

Monoclonal Antibodies, mouse

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Date of last revision: August 2012

1 Chemical product and company identification

1.1 Product Group and Products

Product Group: Monoclonal Antibodies, mouse

Product(s), Art.-No.:

- Seraclone[®] Anti-A 801 325 100
- Seraclone[®] Anti-B 801 350 100
- Seraclone[®] Anti-AB 801 375 100
- Seraclone[®] Anti-Le^a 808 403 100
- Seraclone[®] Anti-M 808 410 100
- Seraclone[®] Anti-N 808 415 100
- Seraclone[®] Anti-P₁ 808 158 100
- Seraclone[®] Anti-k 808 125 100

Product Component : ---

Use of the preparation: Solution of antibodies for biochemical applications in laboratory

1.2 Manufacturer

Company: Bio-Rad Medical Diagnostics GmbH • Industriestr. 1 • 63303 Dreieich • Germany
Telephone: +49(0)6103 3130-0 • Fax: +49 (0)6103 3130-724

Contact for information: Productmanagement Transfusion
Telephone: +49(0)6103 3130-611 • Fax: +49(0)6103 3130-724
e-mail: techsupport.bmd@bio-rad.com

1.3 Use of the substance/preparation

Reagents for biochemical applications, industrial, commercial

1.4 Emergency Phone see Manufacturer / Supplier

- This MSDS is listed with CHEMTREC 1-800-424-9300. Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT with this product. (USA only)
- External Phone: +49(0)6131 19-240
Medizinische Klinik und Poliklinik der Universität Mainz

1.5 Principal demands according to Art. 32 REACH

- Registration number(s) --
- Authorisation none
- Restrictions none

2 Information on composition

2.1 The product is composed of the following important ingredients / Hazardous ingredients:

Conc. (%Mass)	IUPAC-Name	CAS-No.	EEC-No.	EINECS-No.	Hazard Symbol	R-Phrases
0.1	Sodium azide NaN ₃	26628-22-8	011-004-00-7	247-852-1	T +	28-32

2.2 Chemical characterization of composition

Aqueous solution of inorganic, organic compounds and proteins.

3 Hazards identification

No hazardous product as specified in Directive 99/45/EC



4 First aid measures

General instructions:	---
After inhalation:	---
After skin contact:	Wash off with water.
After eye contact:	Rinse out with water.
After ingestion:	Make victim drink plenty of water, induce vomiting. Summon doctor if feeling unwell.
Notes to the Physician:	Show Physician this safety data sheet.

5 Fire-fighting measures

Suitable extinguishing media:	To suit environment
Not to be used for safety reasons:	None known
Special exposure hazards arising from substance or combustion products:	None known
Special protective equipment required for fire-fighting:	No further requirements
Other information:	Non-combustible

6 Accidental release measures

Person-related precautionary measures:	---
Procedures for cleaning/absorption:	Take up with liquid-absorbent material. Forward for disposal. Clean up affected area.

7 Handling and storage

Handling:	No further requirements
Storage:	Store tightly closed. Cool at +2 to +8°C.

8 Exposure controls and personal protection

8.1 Specific control parameter of components (Exposure limits, FR Germany)

MAK:	0,2 mg/m ³ (sodium azide)
TRK:	---
BAT:	---

8.2 Personal protective equipment

Respiratory protection:	Required when vapors/aerosols are generated.
Eye protection:	Safety glasses
Hand protection:	Laboratory gloves
Industrial hygiene:	Change contaminated clothing. Wash hands after working with substance.

9 Physical and chemical properties

Form:	Liquid
Color:	Colorless
Odor:	Odorless

9.1 Change of state:

Boiling temperature:	Near 100°C
Melting temperature:	---
Flash point:	---
Decomposition temperature:	---
Ignition temperature:	---
Auto flammability:	---
Explosion limits	Lower: --- Upper: ---

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Oxidizing properties:	---			
Vapour pressure:	---			
Density:	---	g/cm ³	(20°C)	
Bulk density:	---			
Solubility	In water:	Soluble	in Ethanol:	Soluble
pH value:	---			
Distribution coefficient:	---			

10 Stability and reactivity

Conditions to be avoided:	Not known
Substances to be avoided:	No information available
Hazardous decomposition products:	No information available
Further information:	None

11 Toxicological information

11.1 Acute toxicity

Quantitative data on the toxicity of this product are not available.

11.2 Further toxicological information

Sub acute to chronicle toxicity:	---
Other Notes:	No toxic effects are to be expected when the product is handled appropriately.
Notice „Other information“	(item 16)!

12 Ecological information

12.1 Biologic degradation Quantitative data on the ecological effect of this product are not available.

12.2 Behavior in environmental compartments: Not determined

12.3 Ecotoxic effects

Biological effects:	Toxic for aquatic organisms. Sodium azide forms toxic mixtures in water, dilution measures notwithstanding. The following applies to azides in general: Azides are toxic for aquatic organisms.
Biological effects:	Fish: L. macrochirus toxic as from 1.5 ppm in 24 h Approx. acute toxicity for lower organisms: 5 mg/l Approx. acute toxicity for cold-blooded animals: 1 mg/l (Values stated for pure sodium azide.)

12.4 Further ecological data: CSB: --- mg/g
BSB₅: --- mg O₂/l
Halogens: ---
Do not allow to enter drinking water supplies, waste water or soil!

13 Disposal considerations

13.1 Product

Disposal used product in compliance with its biological contamination.
There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations, and in the federal Republic of Germany also by the individual Federal States. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

13.2 Contaminated Packaging

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14 Transport information

14.1 Land transport

RID/ADR/GGVS/GGVE class:	none	Number and letter:	---
Warning board:	---	Number:	---
UN-No:	---		
Name of material:	---		

14.2 River transport

GGVBinSch/ADN/ADNR class:	---	Number and letter:	---
Category:	---		
Correct technical name:	---		
Notes:	---		

14.3 Sea transport

IMDG/GGVSee class:	---	UN-No:	---
PG:	---	EmS:	---
MFAG:	---		
Marine Pollutant:	yes ()	no ()	
Correct technical name:	---		
Notes:	---		

14.4 Air transport

ICAO/IATA class:	None	UN/ID-No:	---
PG:	---		
Correct technical name:	Biological products thought likely to contain infectious substances.		
Notes:	---		

15 Regulatory information

15.1 Labeling according to EC Directives

No hazardous product as specified in Directives 67/548/EEC and 99/45/EC

Symbol:	-
Name:	-
R-Phrases:	-
-	-
S-Phrases:	-

15.2 German regulations

App.II StörfallV No.:	---
TA air No/class:	---
VbF:	---
MAK-value:	---
Water pollution class:	1 - low hazardous to waters (own classification)
Data sheet of the Chemical Professional Association:	M050 Dealing with harmful substances

16 Other information

The information herein is based on our current level of knowledge and relates to the product in the state in which it is delivered. They are intended to describe our products from the point of view of safety requirements and are not intended to guarantee any particular properties.

Seraclone® are of non-human origin. Hepatitis or Anti-HIV-1/-2 contamination is practically excluded. Nevertheless, all the test reagents should be treated as a potential health hazard and be handled accordingly.