

## Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

Reviewed on: 30.03.2009

Version: A0411

Date of print: 30.07.2013

Products: Primary Antibodies

(Ready-to-use and Concentrates)



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### **1. Identification of substance/preparation and of the company/undertaking**

<b>Product:</b>	Primary Antibodies (Ready-to-use and Concentrates)
<b>Product number:</b>	Several (5XX-XXXX, 6XX-XXXX, BMSXXX, COXXXX, MSGXXX, MSKXXX, RBGXXX, RBKXXX)
<b>Application of product/preparation:</b>	For in vitro diagnostic use or for research use
<b>Manufacturer/Supplier</b>	Zytomed Systems GmbH Anhaltinerstraße 16 14163 Berlin GERMANY
<b>Contact for technical Information:</b>	Production (Tel. +49-4532-266 143)
<b>Telephone:</b>	(+49) 30-804 984 990
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<b>Emergency telephone:</b>	University Hospital Berlin Campus Charité Mitte Telephone: +49-30-450 552 000 Other countries please contact local emergency authorities

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### **2. Hazards identification**

#### **Hazard(s) statement(s)**

None

Classification: None

#### **Information pertaining to special dangers for human and environment**

No additional hints.

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### **3. Composition / Information on Ingredients**

#### **Chemical characterisation: Preparation**

#### **Hazardous ingredients**

<b>Chemical Name</b>	<b>EC No.</b>	<b>CAS No.</b>	<b>Concentration</b>	<b>Hazard Classification</b>
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None

#### **Ingredients with EC limit values (according to EEC council regulation no. 793/93):**

<b>Chemical Name</b>	<b>EC No.</b>	<b>CAS No.</b>	<b>Concentration</b>	<b>Hazard Classification</b>
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None

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### **4. First Aid Measures**

#### **General Information**

Immediately remove any clothing soiled by the product.

#### **After Inhalation**

Move to well ventilated area. In case of respiratory tract irritation seek medical attention.

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### After skin contact

Immediately wash affected area with large volume of water.

### After Eye contact

In case of contact with eyes, immediately flush eyes for at least 15 minutes with generous amounts of water and, if necessary, consult a physician. Assure adequate flushing by separating the eyelids with fingers.

### After swallowing

Rinse mouth immediately and drink plenty of water (diluting effect).

### Information for physician

None

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## 5. Fire-fighting measures

### Suitable extinguishing agents

CO<sub>2</sub>, solid extinguishing agent or water.

### Extinguishing agents which must not be used for safety reasons

None

### Particular hazards

No particular dangers.

### Protective equipment for fire-fighters

Wear self-contained breathing apparatus.

### Additional information

None

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## 6. Accidental release measures

### Person-related safety precautions

Not necessary

### Environmental precautions

Not necessary

### Methods for cleaning / collecting

Use adsorbent for cleaning.

### Additional information

None

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## 7. Handling and storage

### Advice for safe handling

No particular measures necessary

### Precautions against fire and explosions

None

### Further information

None

### Technical measures and storage conditions

Store at 2 – 8°C

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### Hints on storage assembly

None

### Storage class

None

### Intended applications

Primary antibodies for immunohistochemistry (amongst others).

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## 8. Exposure controls and personal protection

### Workplace exposure limit value and / or biological limit value

#### Workplace exposure limits Germany (AGW)

**None;** CAS No.:

Specification:

Workplace exposure limits value:

Top level limit:

Teratogenic:

#### Workplace exposure limits European Community

**None;** CAS No.:

Specification:

Short time value (STEL):

Long time value (8h TWA):

Remark "Skin":

### General health and safety measures

Technical measures and the application of adequate procedures as described in section 7 have priority over the use of personnel protective equipment.

Recommended analytical techniques for workplace measurements see: "Schriftenreihe der Bundesanstalt für Arbeitsschutz und Arbeitsmedizin" (BAuA) „Gefährliche Arbeitsstoffe“ (GA13) or other local information source.

Exploratory concentration measurements of the substance with detector tubes: None

### Personal protective equipment

Personal protection depends on the specific working place concentration and quantity of hazardous substances.

### Respiratory protection

Use in well ventilated area. Special respiratory protection is not necessary.

### Hand protection

Wear suitable protective latex or nitrile gloves.

### Eye protection

Wear chemical safety goggles according to EN166:2001

### Body protection

Wear suitable protective clothing.

### General working hygiene measures

Carefully apply water-insoluble (lipid-regulating) skin protection cream prior to work and after each pause onto the clean skin.

### Environment protection measures

See sections 6 and 7. No further measures necessary.

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## 9. Physical and chemical properties

### Appearance

Physical state: liquid

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**Colour:** Depending on specificity colourless, green, or red  
**Odour:** None

### Safety relevant basis data

**Danger of explosion:** None  
**Explosion limits:** None  
**Vapour pressure:** Not determined  
**Relative density:** Not determined  
**Flow time:** Not determined  
**Water solubility:** Good solubility  
**pH-value:** 6.8 – 7.4  
**Boiling point:** Not determined  
**Flash point:** Not determined  
**Ignition point:** None

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## 10. Stability and reactivity

### Conditions to avoid

None

### Material to be avoided

None

### Hazardous decomposition products

No known hazardous decomposition products.

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## 11. Toxikological information

The toxicological classification of the preparation was done due to methods of calculation according to the general preparation guideline (1999/45/EG). To the best of the knowledge of the manufacturer there are no dangers beyond the classification.

### Toxicological Inquiries

No data available

### Experiences made in practice

No data available

### Information about components

None

LC<sub>50</sub>:

LD<sub>50</sub>:

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## 12. Ecological Information

### Ecotoxicity

No data available

### Mobility

No data available

### Persistence and degradability

No data available

### Bioaccumulation potential

No data available

### Results of PTB assessment

No data available

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### Other hazardous effect

No data available

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## 13. Disposal considerations

### Substance / Preparation

Small volumes are allowed to be disposed with domestic waste. Observe all federal, state, and local environmental regulations.

### Recommendation

None

### Waste code according to EWC/AVV

None

### Appropriate disposal packaging

#### Contaminated packaging

Packaging is to be disposed with domestic waste.

#### Clean packaging

Non-contaminated and clean packaging is allowed to be recycled. Recommended leaching agent: water

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## 14. Transport information

### Land transport ADR/RID/GGVSE

Class: non-hazardous for road transport

Classification code:

UN-No:

Proper shipping name: None

Packing group:

Hazard label:

### Marine transport IMDG/GGVSee

Class: non-hazardous for marine transport

EmS:

UN-No:

Marine Pollutant:

Proper shipping name: None

Packaging group:

### Air transport ICAO-IATA/DGR

Class: non-hazardous for air transport

UN-No:

Packaging group:

Proper shipping name: None

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## 15. Regulatory information

### Chemical safety assessment

Safety assessment of components in the preparation not performed.

### Labelling according to EU guidelines

Code letter and hazard designation of product

None

### Hazard-determining components of labelling

Contains: none

R-phrases:

### EU regulations

No data available

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### National regulations (Germany)

Observe in addition any national regulation.

**Wassergefährdungsklasse (water hazard class):**

**Technische Anleitung Luft / TA-Luft (technical guidance air):**

**Störfallverordnung / 12. BImSchV (statutory order on hazardous incidents):**

**Lösemittelverordnung / 31. BImSchV (statutory order on solvents):**

Not hazardous to water.

No data available

No data available

VOC proportion: none

### Employment restrictions

If classified as hazardous component:

Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed.

Otherwise:

No restrictions.

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## 16. Other information

### Further applicable EC guidelines

Directive 1999/45/EC (preparation)

Directive 67/548/EEC (substance)

REACH- regulation (EC) Nr. 1907/2006

### Manufacturers recommended application restriction

For laboratory use only. Not for drug, household or for other purposes.

### Related R-phrases referred to in section 2 and 3

None

### Further information

Sources: None

### Modifications compared to last version

Adjustment according to REACH-regulation (EC) No. 1907/2006

### Data sheet producing section

Production

### Warranty

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