

according to Regulation (EC) No 1907/2006

## Peroxide Block (ZUC019-008, ZUC019-100, ZUC019-500)

Print date: 26.01.2016

Product code: 0052

Page 1 of 6

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Peroxide Block (ZUC019-008, ZUC019-100, ZUC019-500)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

in vitro-diagnostic reagent or laboratory reagent

#### 1.3. Details of the supplier of the safety data sheet

Company name: Zytomed Systems GmbH  
 Street: Anhaltinerstraße 16  
 Place: D-14163 Berlin  
 Telephone: +49 30 804 984 990 Telefax: +49 30 804 984 999  
 e-mail: info@zytomed-systems.de  
 Internet: www.zytomed-systems.de

#### 1.4. Emergency telephone number:

+49 30 804 984 990

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is not classified as hazardous according to Directive 1999/45/EC.

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

#### 2.2. Label elements

#### 2.3. Other hazards

No risks worthy of mention.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
231-765-0	Hydrogen peroxide solution ... %	
7722-84-1	O - Oxidizing, C - Corrosive, Xn - Harmful R5-8-35-20/22	<3 %
008-003-00-9	Ox. Liq. 1, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A; H271 H332 H302 H314	

Full text of R-, H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Provide fresh air.

##### After contact with skin

Wash with plenty of water. Change contaminated clothing.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Peroxide Block (ZUC019-008, ZUC019-100, ZUC019-500)**

Print date: 26.01.2016

Product code: 0052

Page 2 of 6

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed**

No data available

**4.3. Indication of any immediate medical attention and special treatment needed**

No further informations

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**5.2. Special hazards arising from the substance or mixture**

The product itself does not burn.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

see chapter 8 and 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed.

**7.3. Specific end use(s)**

in vitro-diagnostic reagent or laboratory reagent

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Peroxide Block (ZUC019-008, ZUC019-100, ZUC019-500)

Print date: 26.01.2016

Product code: 0052

Page 3 of 6

### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7722-84-1	Hydrogen peroxide	1	1.4		TWA (8 h)	WEL
		2	2.8		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

#### Eye/face protection

Suitable eye protection: Framed glasses.

#### Hand protection

Tested protective gloves are to be worn: NBR (Nitrile rubber).

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	odourless

#### Test method

pH-Value:	Not determined
-----------	----------------

#### Changes in the physical state

Melting point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	Not determined

#### Flammability

Solid:	Not determined
Gas:	Not determined
Lower explosion limits:	Not determined
Upper explosion limits:	Not determined

#### Auto-ignition temperature

Solid:	Not determined
Gas:	Not determined
Vapour pressure:	Not determined
Density:	Not determined
Water solubility:	Not determined

#### Solubility in other solvents

Not determined

Partition coefficient:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined

### 9.2. Other information

No further informations

according to Regulation (EC) No 1907/2006

## Peroxide Block (ZUC019-008, ZUC019-100, ZUC019-500)

Print date: 26.01.2016

Product code: 0052

Page 4 of 6

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available

#### 10.2. Chemical stability

No data available

#### 10.3. Possibility of hazardous reactions

No data available

#### 10.4. Conditions to avoid

No data available

#### 10.5. Incompatible materials

No data available

#### 10.6. Hazardous decomposition products

No data available

#### Further information

No further informations

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
7722-84-1	Hydrogen peroxide solution ... %				
	oral	LD50 mg/kg	418 - 445	Rat	
	dermal	LD50	3000 mg/kg	Rat	GESTIS
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		

##### Sensitising effects

May cause sensitisation by skin contact.

##### Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### SECTION 12: Ecological information

#### 12.1. Toxicity

No data available.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
7722-84-1	Hydrogen peroxide solution ... %					
	Acute fish toxicity	LC50	16,4 mg/l	96 h	Pimephales promelas	IUCLID
	Acute algae toxicity	ErC50	0,88 mg/l	72 h	Chlorella vulgaris	

#### 12.2. Persistence and degradability

No data available.

#### 12.3. Bioaccumulative potential

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Peroxide Block (ZUC019-008, ZUC019-100, ZUC019-500)**

Print date: 26.01.2016

Product code: 0052

Page 5 of 6

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

**Further information**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**Waste disposal number of waste from residues/unused products**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals  
Classified as hazardous waste.

**Contaminated packaging**

Water (with cleaning agent). Completely emptied packages can be recycled.

**SECTION 14: Transport information****Land transport (ADR/RID)****Other applicable information (land transport)**

No dangerous good in sense of these transport regulations.

**Inland waterways transport (ADN)****Other applicable information (inland waterways transport)**

No dangerous good in sense of these transport regulations.

**Marine transport (IMDG)****Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

**Air transport (ICAO)****Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No further informations

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No further informations

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Peroxide Block (ZUC019-008, ZUC019-100, ZUC019-500)**

Print date: 26.01.2016

Product code: 0052

Page 6 of 6

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Relevant R-phrases (Number and full text)**

- |       |   |
|-------|---|
| 05    | Heating may cause an explosion.                   |
| 08    | Contact with combustible material may cause fire. |
| 20/22 | Harmful by inhalation and if swallowed.           |
| 35    | Causes severe burns.                              |

**Relevant H- and EUH-phrases (Number and full text)**

- |      |   |
|------|---|
| H271 | May cause fire or explosion; strong oxidiser. |
| H302 | Harmful if swallowed.                         |
| H314 | Causes severe skin burns and eye damage.      |
| H332 | Harmful if inhaled.                           |

**Further Information**

This information is based on our present knowledge. No guarantee is given regarding its accuracy or comprehensiveness. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Zytomed Systems shall not be held liable for resulting damages from handling or from contact with the above product. Paper copies are allowed to be used for internal use only.

---

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*