

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 +49 30 804 984 990

number:

### **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 %	<3 %
7722-84-1	O - Oxidizing, C - Corrosive, Xn - Harmful R5-8-35-20/22	

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

# **SECTION 4: First aid measures**

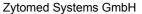
### 4.1. Description of first aid measures

### After inhalation

Provide fresh air.

#### After contact with skin

Wash with plenty of water. Change contaminated clothing.





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



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/m³	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:

Initial boiling point and boiling range:

Flash point:

Not determined

Not determined

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 Water solubility: Not determined

Solubility in other solvents

Not determined

Partition coefficient:

Vapour density:

Evaporation rate:

Not determined

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

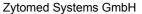
No data available.

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





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**



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.)