



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

### 1.1 Product identifier

**Trade name/designation** METASAN P

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

#### Relevant identified uses

##### **Product categories [PC]**

disinfectants

#### **Uses advised against**

Do not use for private purposes (household).

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

#### **Manufacturer**

METASYS Medizintechnik GmbH

Florianistrasse 3

Österreich-6063 Rum bei Innsbruck

Telephone: \*43-512-205420

Telefax: \*43-512-205420-7

E-mail: sebastian.geiger@metasys.com

Department responsible for information: DES/ ENT

Information telephone: \*43-512-205420

Information telefax: \*43-512-205420-7

E-mail (competent person): sebastian.geiger@metasys.com

www.metasys.com

### 1.4 Emergency telephone number

Giftnotruf München \*49-(0)89-19240

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

##### **remark**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 2.2 Label elements

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

#### **Precautionary statements**

##### **General:**

P101 If medical advice is needed, have product container or label at hand.

##### **Disposal:**

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

### 2.3 Other hazards

No data available

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## SECTION 3: Composition / information on ingredients

### 3.1/3.2 Substances/Mixtures

#### Hazardous ingredients

hydrogen peroxide solution ...% ca.1,41 %

CAS 7722-84-1

EC 231-765-0

INDEX 008-003-00-9

Ox. Liq. 1, H271 / Acute Tox. 4, H332 / Acute Tox. 4, H302 / Skin

Corr. 1A, H314

silver nitrate <0,1 %

CAS 7761-88-8

EC 231-853-9

INDEX 047-001-00-2

Ox. Sol. 2, H272 / Skin Corr. 1B, H314 / Aquatic Acute 1, H400 /

Aquatic Chronic 1, H410

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Change contaminated, saturated clothing. In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

#### Following inhalation

Provide fresh air.

#### Following skin contact

Subsequently wash off with:

Water

#### After eye contact

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

#### Following ingestion

Rinse mouth immediately and drink 1 glass 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 data available

## SECTION 5: Firefighting measures

### Additional information

The product itself is not combustible. Extinguishing materials should be selected according to the surrounding area. Move undamaged containers from immediate hazard area if it can be done safely.

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water. Foam. Extinguishing powder. Water spray.

### 5.2 Special hazards arising from the substance or mixture

No data available



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## 5.3 Advice for firefighters

### Special protective equipment for firefighters

Protective clothing.

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## SECTION 6: Accidental release measures

### Methods for cleaning up

Treat the assimilated material according to the section on waste disposal.

Suitable absorbing material:

Spilled product must never be returned to the original container for recycling. Wipe up with absorbent material (eg. cloth, fleece). Universal binding agent.

### Additional information

Eliminate leaks immediately.

## 6.1 Personal precautions, protective equipment and emergency procedures

### For non-emergency personnel

#### Personal precautions

Provide adequate ventilation. High slip hazard because of leaking or spilled product.

## 6.2 Environmental precautions

No special environmental protection measures are necessary.

## 6.3 Methods and material for containment and cleaning up

### For containment

#### Suitable material for taking up:

Absorbing material, organic

Universal binder

#### For cleaning up

#### Suitable material for diluting or neutralizing:

Water

## 6.4 Reference to other sections

No data available

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

#### Specific requirements or handling rules

To clean the floor and all object contaminated by this material, use:

Water.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Hints on joint storage

#### Storage class

Keine Lagerklasse.

#### Further information on storage conditions

Protect against:

heat. frost. UV-radiation/sunlight.

#### storage temperature

Value 5 - 30 °C

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## 7.3 Specific end use(s)

### Recommendation

Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

CAS No.	Substance name	LTV	STV	remark
7722-84-1	Hydrogen peroxide	1,4 mg/m <sup>3</sup> 1 ppm	2,8 mg/m <sup>3</sup> 2 ppm	
				Great Britain (UK)

LTV = long-term occupational exposure limit value

STV = short-term occupational exposure limit value

source: GESTIS International Limit Values (<http://limitvalue.ifa.dguv.de/>)

Monitoring and observation processes: GESTIS Analytical Methods (<http://amcaw.ifa.dguv.de/>)

### 8.2 Exposure controls

#### Personal protection equipment

##### General protection and hygiene measures:

Avoid contact with skin, eye and clothing.

##### Eye/face protection

##### Suitable eye protection:

Framed glasses.

##### Skin protection

##### Suitable gloves type

Single-use gloves.

##### Suitable material:

NR (Natural rubber (caoutchouc), Natural latex).

##### Recommended glove articles

##### DIN-/EN-Norms

DIN EN 374

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

##### Physical state

liquid

##### Colour

colourless

##### Odour

characteristic

parameter

Method - source - remark

parameter		Method - source - remark
Evaporation rate		not determined
Melting point/freezing point		not determined
Boiling point or initial boiling point and boiling range	100 °C	
flammability		not determined
Upper explosion limit		not determined
lower explosion limit		not determined
Flash point (°C)		not determined
Auto-ignition temperature		not determined
Decomposition temperature		not determined
pH	5	Temperature 20 °C
Soluble (g/L) in		not determined
Fat solubility		not determined
Water solubility		complete miscible
Partition coefficient: n-octanol/water		not determined
Vapour pressure	20 mbar	
Vapour density		not determined
Relative density	1 g/cm <sup>3</sup>	Temperature 20 °C
particle characteristics		not determined
Dynamic viscosity	1 mPa*s	Newton.
flow time		not determined
Kinematic viscosity		not determined

## 9.2 Other information

**Freezing point** 0 °C

**Solvent content**

**Value** 0 %

**Solid content**

**Value** <0,1 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Impurities may cause catalytic decomposition (see subsection 10.5).

### 10.2 Chemical stability

No hazardous reaction when handled and stored according to provisions.



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### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

exposure to light

exposure to cold. Do not freeze

extreme temperatures

### 10.5 Incompatible materials

#### Materials to avoid

Reducing agents.

Reacts with :

Alkalis (alkalis).

### 10.6 Hazardous decomposition products

Oxygen.

### Additional information

Decomposition possible after prolonged exposure to light.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Acute oral toxicity** >5000 mg/kg

#### Effective dose

ATEmix calculated:

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

**Acute (short-term) toxicity to crustacea** 13,9 mg/L

#### Effective dose

EC50

#### species

Daphnia magna (Big water flea)

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

#### Assessment/classification

Does not accumulate in organisms.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6 Other adverse effects

No information available.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Directive 2008/98/EC (Waste Framework Directive)

##### Before intended use

**Waste code product** 070600

**hazardous waste** No

##### **Waste name**

wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

##### After intended use

#### **Appropriate disposal / Product**

Waste disposal according to official state regulations.

**Waste code packaging** 150102

**hazardous waste** No

##### **Waste name**

plastic packaging

## SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name	not applicable	not applicable	not applicable
14.3 Class(es)	not applicable	not applicable	not applicable
14.4 Packing group	not applicable	not applicable	not applicable
14.5 ENVIRONMENTALLY HAZARDOUS	not applicable	not applicable	not applicable
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Maritime transport in bulk according to IMO instruments	not applicable	not applicable	not applicable

### **Additional information**

#### **All transport carriers**

Not a hazardous material with respect to transportation regulations.

## SECTION 15: Regulatory information

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **EU legislation**

#### **Other regulations (EU)**

#### **Regulation 96/82/EC for danger control following severe accidents with dangerous substances:**

Not subject to regulation 96/82/EC.



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**Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**

**Volatile organic compounds (VOC) in percentage by weight:** 0 weight-%

## **15.2 Chemical Safety Assessment**

No data available

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## **SECTION 16: Other information**

### **Key literature references and sources for data**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.