

# SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **POWERSEPT**

Creation date: **9.3.2012**

Revision: **26.11.2015**

Version: 1

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1. Identification of the substance/preparation

Product name

**POWERSEPT**

Synonyms

POWERSEPT, POWERSEPT Vet



chemius.net/RjG67

### 1.2. Use of the substance/preparation

Use

Biocidal product for hands skin and surface disinfection.

Uses advised against

-

### 1.3. Company/undertaking identification

Supplier

Mediteranski inštitut za monitoring

Address: Dunajska cesta 156, 1000 Ljubljana, Slovenia

Tel.: +386 (0)83 81 64 04

### 1.4. Emergency telephone

Emergency

112

Supplier

+386 (0)83 81 64 04

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of substance/preparation

Classification according to Reg. 1272/2008

According to the regulation, the chemical is not classified as dangerous. Safety data sheet available for professional user on request.

### 2.2 Label elements

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

Pictograms not applicable according to Regulation 1272/2008.

2.2.2. Contains:

-

2.2.3. Special provisions

Special hazards are not known or expected.

### 2.3. Other hazards

No information

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

For mixtures see 3.2.

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## 3.2. Mixtures

Chemical name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 [CLP]	REACH reg. number
Hydrogen peroxide [B]	7722-84-1 231-765-0 008-003-00-9	1,5	Ox. Liq. 1; H271 Acute Tox. 4; H302 Skin Corr. 1A; H314 Acute Tox. 4; H332	-

### Notes for substances:

**B** Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.

In Part 3 entries with Note B have a general designation of the following type: "nitric acid ... %".

In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

## SECTION 4. FIRST AID MEASURES

### 4.1. First-aid measures

#### General measures

Never give anything by mouth to an unconscious person.

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#### Skin contact

Preparation does not irritate the skin.

#### Eye contact

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persist, seek professional medical attention.

#### Inhalation

It is unlikely.

#### Ingestion

Do not induce vomiting. Rinse mouth with water. In case of doubt or if feeling unwell seek medical help.

### 4.2. Symptoms

#### Skin contact

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#### Eye contact

It can cause shortterm irritation.

#### Inhalation

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#### Ingestion

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

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## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

#### Unsuitable extinguishing media

Full water jet.

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

#### Hazardous combustion products

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### 5.3. Advice for firefighters

#### Protective actions

The product is not combustible.

#### Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective clothing for fire-fighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137) .

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

##### **Protective equipment**

Use personal protective equipment (Section 8).

##### **Emergency procedures**

Ensure adequate ventilation.

#### 6.1.2. For emergency responders

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### 6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental entry into water or ground occurs, inform responsible authorities.

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

#### 6.3.1. For containment

Limit spillages with non-combustible absorbents, e.g. sand, earth, vermiculite, diatomaceous earth.

#### 6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it according to valid regulations on handling with waste.

#### 6.3.3. Other information

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### 6.4. Reference to other sections

See also sections 8 and 13.

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## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### 7.1.1. Protective measures

##### Measures to prevent fire

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##### Measures to prevent aerosol and dust generation

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##### Measures to protect the environment

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#### 7.1.2. Advice on general occupational hygiene

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

#### 7.2.1. Technical measures and storage conditions

Keep in cool and well ventilated area. Keep away from food, drink and animal feedingstuffs

#### 7.2.2. Packaging materials

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#### 7.2.3. Requirements for storage rooms and vessels

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#### 7.2.4. Storage class

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#### 7.2.5. Further information on storage conditions

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### 7.3. Specific end use(s)

#### Recommendations

-

#### Industrial sector specific solutions

-

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational Exposure limit values

Chemical name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>		
Hydrogen peroxide (7722-84-1)	1	1,4	2	2,8		

#### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

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## 8.1.3. DNEL values

### For components

Chemical name	Type	exp. route	exp. frequency	value	Remark
Hydrogen peroxide (7722-84-1)	Worker	inhalation	short term (systemic effects)	3 mg/m <sup>3</sup>	
Hydrogen peroxide (7722-84-1)	Worker	inhalation	long term (systemic effects)	1,4 mg/m <sup>3</sup>	

## 8.1.4. PNEC values

### For components

Chemical name	exp. route	value	Remark
Hydrogen peroxide (7722-84-1)	marine water	0,0126 mg/l	
Hydrogen peroxide (7722-84-1)	fresh water	0,0126 mg/l	
Hydrogen peroxide (7722-84-1)	fresh water sediment	0,0103 mg/kg	
Hydrogen peroxide (7722-84-1)	air	0,0023 mg/kg	

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices-wash hands at breaks and when done working with material.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in the area with increased concentration.

### 8.2.2. Personal protective equipment

#### Eye and face protection

No requirements under normal use conditions.

#### Hand protection

-

#### Skin protection

No requirements under normal use conditions.

#### Respiratory protection

Not needed under normal use and adequate ventilation.

#### Thermal hazards

-

### 8.2.3. Environmental exposure controls

-

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. General information

-	<b>Physical state:</b>	liquid
-	<b>Colour:</b>	colourless
-	<b>Odour:</b>	None

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## Important health, safety and environmental information

-	<b>pH</b>	No information
-	<b>Melting point</b>	No information
-	<b>Boiling point/boiling range</b>	100 °C
-	<b>Flashpoint</b>	No information
-	<b>Evaporation rate</b>	No information
-	<b>Ignition temperature</b>	No information
-	<b>Explosion limits (vol%)</b>	No information
-	<b>Vapour pressure</b>	No information
-	<b>Vapour density</b>	No information
-	<b>Density</b>	No information
-	<b>Solubility</b>	<b>Water:</b> Soluble
-	<b>Partition coefficient n-octanol/water (log Kow)</b>	No information
-	<b>Auto-ignition temperature</b>	No information
-	<b>Decomposition temperature</b>	No information
-	<b>Viscosity</b>	No information
-	<b>Explosive properties</b>	No information
-	<b>Oxidising properties</b>	No information

### 9.2. Other information

-	<b>Remarks:</b>	
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## **SECTION 10. STABILITY AND REACTIVITY**

### 10.1. Reactivity

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### 10.2. Chemical stability

Product is stable under normal conditions according to handling and storage.

### 10.3. Possibility of hazardous reactions

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### 10.4. Conditions to avoid

No special precautions required. Consider the directions for use and storage.

### 10.5. Incompatible materials

Do not mix with other chemicals (detergents, cleansing agent).

### 10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products expected.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### 11.1.1. Acute toxicity

##### For components

Chemical name	exp. route	Type	species	Time	value	Method	Remark
Hydrogen peroxide (7722-84-1)	oral	LD <sub>50</sub>	rat		1232 mg/kg		
Hydrogen peroxide (7722-84-1)	dermal	LD <sub>50</sub>	rat		2000 mg/kg		
Hydrogen peroxide (7722-84-1)	inhalation	LC <sub>50</sub>	rat	4 h	2 mg/l		vapour

#### 11.1.2. Skin corrosion/irritation, serious eye damage/irritation, aspiration hazard

No information

#### 11.1.3. Respiratory or skin sensitisation

No information

#### 11.1.4. Carcinogenicity, Mutagenicity, Reproductive toxicity

##### Carcinogenicity

No information

##### (Germ cell) mutagenicity

No information

##### Reproductive toxicity

No information

##### Summary of evaluation of the CMR properties

No information

#### 11.1.5. STOT-single and repeated exposure

No information

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Acute (short-term) toxicity

##### For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
Hydrogen peroxide (7722-84-1)	EC <sub>50</sub>	7,7 mg/L	24 h	daphnia			
	LC <sub>50</sub>	16,4 mg/L	96 h	fish			
	EC <sub>50</sub>	11 mg/L		bacteria			

#### 12.1.2. Chronic (long-term) toxicity

No information

### 12.2. Persistence and degradability

#### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information

#### 12.2.2. Biodegradation

No information

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## 12.3. Bioaccumulative potential

### 12.3.1. Partition coefficient n-octanol/water (log Kow)

No information

### 12.3.2. Bioconcentration factor (BCF)

No information

## 12.4. Mobility

### 12.4.1. Known or predicted distribution to environmental compartments

No information

### 12.4.2. Surface tension

No information

### 12.4.3. Adsorption/Desorption

No information

## 12.5. Results of PBT and vPvB assessment

No evaluation.

## 12.6. Other adverse effects

No information

## 12.7. Additional information

### **For product**

Do not allow to enter ground water, water course or sewage system.

### **For components**

#### **Substance: Hydrogen peroxide**

Low volatility, soluble in water, nearly evaporated, absorption into the soil is not important - good biodegradable, is not bioaccumulative.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product / Packaging disposal

##### **Waste chemical**

Disposal must be made according to official regulations: to leave it to authorized collector/remover/transformer of hazardous waste.

##### **Packaging**

Completely emptied container dispose according to regulations.

#### 13.1.2. Waste treatment-relevant information

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#### 13.1.3. Sewage disposal-relevant information

Do not discharge into drains.

#### 13.1.4. Other disposal recommendations

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## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

not applicable



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## 14.2. UN proper shipping name

Not dangerous according to transport regulations.

## 14.3. Transport hazard class(es)

not applicable

## 14.4. Packing group

not applicable

## 14.5. Environmental hazards

NO

## 14.6. Special precautions for user

not applicable

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

not applicable

## SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### 15.1.1. Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

### Indication of changes

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### Key literature references and sources for data

-

### List of relevant H phrases

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

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.

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