

# Safety Data Sheet Hero Neutral

Issue 02.10.2009.

Revision date 3: 01.06.2015

Version No 3

Safety data sheet is in accordance with the rules of the contents of the safety data sheet - Official Gazette RS 100/11

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

### 1.1. Product identifier

Hero Neutral

Product No. : 8606101726058

**1.2. Relevant identified uses of the substance or mixture and uses advised against** Liquid Liquid Biocidal product groups: PT2 - disinfectants and other biocidal products used in the household and in the public health area, PT3 - Biocidal products for hygiene in the veterinary, PT4 - disinfectants used for surfaces that come into contact with food for humans and animals.

Recommendation for use	Concentration - HeroNeutral in water
Disinfection of dishes and cutlery, objects and equipment that is in contact with food. Prewash thoroughly with water. Perform disinfection by dipping or by spraying in such way that the desired surface area are impregnated with a solution for disinfecting and allowed to dry naturally 2 min. After the disinfection rinsed with water.	(2%) 1:50 0.2 L in 10 L water  50ml on 1m <sup>2</sup>
Disinfection of different rooms for people, work surfaces, floors, walls, furniture, sanitary ware, appliances, refrigerators, freezers and the like. Sweep or spray.	(2%) 1:50 0.2 L in 10 L water 50ml on 1m <sup>2</sup>
Disinfection of dirty laundry and other textile goods is carried out by dipping prior to washing in a period of 1 hour then regularly wash at any detergent. (3 kg of laundry in a 10 l solution)	(5%) 1:20 0.5 L in 10 L water
Antimicrobial impregnation of laundrys, and other textile goods is made by soaking for 10 min. Removes electro static charge.	(2%) 1:50 0.2 L in 10 L water

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

Company name: HERO

Street: 14 Boska Buhe street

Place : 22320 Indjija, Serbia

Tel : 381 (0)22/558-652

e-mail : [office@hero.co.rs](mailto:office@hero.co.rs)

Internet: [www.hero.co.rs](http://www.hero.co.rs)

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## 1.4. Emergency telephone

- Manufacturer : Hero 381 (0) 22/558-652, 558-682 ( to 7 - 15 h Belgrade time zone ),
- Poison Control Center Military Medical Academy telephone exchange 381 (0) 11/2661122, 2662755 011/360 8440 ( 24 h )

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification in accordance with the Regulation on classification, packaging, labeling and advertising of chemical and certain article in accordance with Globally Harmonized System Official Gazette No. 6p. 105/13)

Skin corrosion/irritation: Skin Corr. 1 H314

Serious eye damage/eye irritation: Eye Dam. 1 H318

Hazardous to the aquatic environment: Aquatic Acute 1 H400

The entire text of the H-code in Section 16

### 2.2. Label elements

Classification in accordance with the Regulation on classification, packaging, labeling and advertising of chemical and certain article in accordance with Globally Harmonized System Official Gazette No. 6p. 105/13)

#### Pictograms:



GHS05



HGS09

**Signal word:** Danger

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## Hazard statements :

H314 Causes severe skin burns and eye damage.

H400: Very toxic to aquatic life

## Precautionary statements

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

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor

P302+352: IF ON SKIN: Wash with plenty of water and soap

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container in accordance with the law regulation in this area

## 2.3. Other hazards

No data

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not substance

### 3.2. Mixtures

Chemical name	CAS No	EC No	Classification <sup>2</sup>	Weight % content
Ethanol	64-17-5	200-578-6	Flam. Liq. 2 H225	<2
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	269-919-4	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Mak=10	5

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<sup>2</sup> Classification in accordance with the Regulation on classification, packaging, labeling and advertising of chemical and certain article in accordance with Globally Harmonized System Official Gazette No. 6p. 105/13)

The entire text of the H-code in Section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water and seek medical advice. Do not use any medication before medical advice.

#### After contact with skin

not applicable

#### After inhalation

Provide fresh air.

#### After ingestion

Rinse the mouth and drink some water. DO NOT induce vomiting. Seek medical treatment if a large amount has been swallowed.

### 4.2 Most important symptoms and effects, both acute and delayed

Not specified

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

Treat symptomatically

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Alcohol resistant foam , Carbon dioxide (CO<sub>2</sub>), Extinguishing powder

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

The fire should be extinguished trained person (firefighter) .For fire or increased temperature may increase pressure and explosion of container.

Aply the regular measures against fire, does not need special anti-fire security.

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The product is not flammable.

## 5.3. Advice for firefighters

Wear suitable breathing protective set. Wear protective clothing to prevent contact with skin and eyes.

## SECTION 6: Accidental release measures

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

Personal precautions:

In accordance with Chapter 8 of the security list that relates to

information for personal protection. Provide adequate ventilation. Do not inhale vapor.

Avoid contact with skin, eyes and clothing Risk of slipping in the event of a leak or spillage products

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Disposed in accordance with national law

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

In the event of leakage of the product rinse the subject surface with plenty of water.

Neutralized with anionic detergent

### 6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Carefully read the label.

Provide enough space for good ventilation.

Avoid contact with skin and eyes. Use cream for skin protection

Wash your hands after using the product.

Do not eat, drink or smoke in the working area. Remove contaminated clothing before entering area with food.

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

Keep only in the original container in a cool, well-ventilated place . Keep away from food,

drink and animal feed. Store in a cool and dark place, out of reach of children, in the original packaging.

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## 7.3. Specific end use(s)

We have no knowledge of specific end uses.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure limits

Non

### 8.2. Exposure controls

Personal protective equipment:

Not required in regular use of the product

Avoid contact with eyes.

## SECTION 9: Physical and chemical properties

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

Physical state, Colour :	liquid homogeneous, colorless
Odour::	pleasant smell
pH:	6-9
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point	not determined
Evaporation rate:	not determined
Flammability (solid, gas):	not determined
Upper/lower flammability or explosive limits:	not determined
Vapour pressure:	not determined
Vapour density:	not determined
Relative density:	not determined
Solubility(ies):	soluble in water and alcohol
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined

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Decomposition temperature:	not determined
Viscosity:	not determined
Explosive properties:	not determined
Oxidising properties:	not determined

## 9.2. Other information

No additional information is available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product is stable. No hazardous reaction when handled and stored according to provisions.

### 10.2 Chemical stability

The product is stable during normal handling.

### 10.3. Possibility of hazardous reactions

Not determined

### 10.4. Conditions to avoid

Not determined

### 10.5. Incompatible materials

No information available

### 10.6. Hazardous decomposition products

No information available

## ★ SECTION 11: Toxicological information

### Acute toxicity

No information available

### Skin corrosion/irritation

Causes severe skin burns and eye damage

### Serious eye damage/irritation

Causes severe damage to the eye

### Respiratory or skin sensitization

Do not meet the criteria for classification

### Germ cell mutagenicity

Do not meet the criteria for classification

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## **Carcinogenicity**

Do not meet the criteria for classification

## **Reproductive toxicity**

Do not meet the criteria for classification

## **STOT-single exposure**

May cause respiratory irritation

## **STOT-repeated exposure**

Do not meet the criteria for classification

## **Aspiration hazard**

Do not meet the criteria for classification

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

No data available

### **12.2. Persistence and degradability**

The product is biodegradable and easily decompose

### **12.3. Bioaccumulative potential**

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

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Disposal should be in accordance with the waste management Law, Official Gazette RS No. 36/09 and 88/10.

Not used the remaining product is not considered as hazardous waste and treat it in accordance with applicable waste disposal regulations.

Used packaging and packaging represents municipal waste and treat it in accordance with the Law on packaging and packaging waste Official Gazette RS No 6poj 36/09



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Recycling packaging, non-returnable bottle.

Before disposal empty bottles are rinsed thoroughly with water.

## SECTION 14: Transport information

### 14.1. UN number:

non

### 14.2. UN proper shipping name:

non

### 14.3. Transport hazard class(es):

non

### 14.4. Packing group:

non

### 14.5. Environmental hazards

non

### 14.6. Special precautions for user

non

### 14.7. Transport in bulk

No data available

## SECTION 15: Regulatory information

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

Law on Chemicals Official Gazette No. 36/09, 88/10, 92/11, 93/12 and 25/15.

Classification in accordance with the Regulation on classification, packaging, labeling and advertising of chemical and certain article in accordance with Globally Harmonized System Official Gazette No. 105/13.

Rules of the contents of the safety data sheet - Official Gazette RS 100/11.

Rules on preventive measures for safe and healthy work when exposed to chemical substances Official Gazette No. 106/09.

The law on transport of dangerous goods Official Gazette No. 88/10.

Waste management law Official Gazette No. 36/09 and 88/10.

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## 15.2 Chemical safety assessment

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

## SECTION 16: Other information

### Changes

With this latest edition of safety data sheet all previous editions are no longer valid.

List of abbreviations and acronyms:

**CAS** Chemical Abstract Service – Number of chemical compounds and mixture

**EC European commission number** - Identification number of the substance in the EU

**PBT** - Persistent, bioaccumulative and toxic

**vPvB** - Very persistent and very bioaccumulative

Data used for the product are from the literature

List of relevant **statements fom** Chapters 2 and 3

### Hazard statements

H225 Highly flammable liquid and vapour

H302: Harmful if swallowed

H 314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H400: Very toxic to aquatic life

H411: Toxic to aquatic life with long-lasting effects

The information in the safety data sheet is based on our current knowledge and is subject to change, so it does not represent for any specific product features and do not establish any legally valid contractual relationship