

Safety Data Sheet Hero Manus B

Issue 2.10.2009.

Revision date 2: 1.6.2015

Version No 2

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 Manus B

Product No. : 8606101726164

1.2. Relevant identified uses of the substance or mixture and uses advised against Liquid Liquid Disinfectant for hygienic disinfection of healthy skin

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.rc

Internet: www.hero.co.rs

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)

Flammable liquid: Flam. Liq. 2, H225

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)

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Pictograms:



GHS02

Signal word: Danger

Hazard statements

H225 Highly flammable liquid and vapour

Precautionary statements

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

P102 Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

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

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

P370+378: In case of fire: Use Use dry extinguisher

P403+235: Store in a well ventilated place. Keep cool.

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

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3.2. Mixtures

Chemical name	CAS No	EC No	Classification ²	Weight % content
Ethanol	64-17-5	200-578-6	Flam. Liq. 2 H225	70
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	0,1

² 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..

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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 (CO₂), 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..

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.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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.

6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

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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. Avoid breathing vapor or mist.

Keep away from sources of ignition - no smoking.

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.

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::	alcohol
pH:	8-10
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	78 ⁰ C(literature data)
Flash point	20 °C – closed vessel (literature data)

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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
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined
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

Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

No information available

10.6. Hazardous decomposition products

No information available

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★ SECTION 11: Toxicological information

Acute toxicity

No information available

Skin corrosion/irritation

Do not meet the criteria for classification

Serious eye damage/irritation

Causes eye irritation

Respiratory or skin sensitization

Do not meet the criteria for classification

Germ cell mutagenicity

Do not meet the criteria for classification

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

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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

Recycling packaging, non-returnable bottle.

Before disposal empty bottles are rinsed thoroughly with water.

SECTION 14: Transport information

14.1. UN number:

1170

14.2. UN proper shipping name:

ETHANOL SOLUTION

14.3. Transport hazard class(es):

3

14.4. Packing group:

II

14.5. Environmental hazards

not hazardous

14.6. Special precautions for user

No data available

14.7. Transport in bulk

No data available

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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.

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

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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

H400: Very toxic to aquatic life

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