

SAFETY DATA SHEET Hero Fresh with disinfectant

Date production version 1: 8.11.2021 .

Version 1

security sheet in accordance with content regulation _ security list - Fig . RS Gazette 100/11

CHAPTER 1. Identification of the chemical and data on the person who puts the chemical into circulation

SUBCHAPTER 1.1

Chemical identification

Trade name: Hero Fresh with disinfectant

SUBCHAPTER 1.2.

Identified use of the chemical and uses that are not recommended

Recommended application: P T2, P T4

Way of using: Concentrate; The working solution is obtained by dissolving 1l of concentrate in 10l of water (0.1% Quaternary ammonium compounds, benzyl-S12-18 alkyldimethyl, chlorides)

Spray the desired surfaces with the working solution and let it dry air dry for at least 2 minutes.

Recommended dose 10 ml/m² for all disinfection areas. Surface area that come into contact with food, after applications disinfectant wash it off clean with water .

SUBCHAPTER 1 3

Supplier data

Manufacturer and distributor:

Hero Indjija

Boška Buhe 14, 22320 Indija

Phone/Fax: 022/558-652

office@hero.co.rs

www.hero.co.rs

SUBCHAPTER 1 4

Emergency phone number

- Manufacturer: Hero, 022/558-652, 558-682 (from 7 a.m. to 3 p.m.),
- Center For control poisoning Military medical academy Number central offices 011/2661122, 2662755
011/360 8440 (24 hours available)

SUBCHAPTER 2. Hazard identification

SUBCHAPTER 2.1 Classification chemicals

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Classification in accordance with the Rulebook on the Classification, Packaging, Labeling and Advertising of Chemicals and Certain Products in accordance with the Globally Harmonized System for Classification and Labeling of the UN ("Official Gazette of the RS", no. 105/13, 52/17 and 21/19)

Skin corrosion/irritation 2 H315

Serious eye damage/eye irritation 2 H319

Complete text listed N- mark listed in Chapter 16

SUBCHAPTER 2.2 Marking elements

Labeling in accordance with the Rulebook on the Classification, Packaging, Labeling and Advertising of Chemicals and Certain Products in accordance with the Globally Harmonized System for Classification and Labeling of the UN ("Official Gazette of the RS", no. 105/13, 52/17 and 21/19)

Pictogram



GHS07

Word warnings : Attention

Hazard notices : _

H315 Causes skin irritation

H319 Causes severe eye irritation

Labels safety :

P101 If medical advice is needed, take the product packaging or label with you

R102 Keep out of reach of children

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P301+ P310 IF SWALLOWED: Call a POISON CONTROL CENTER/PHYSICIAN immediately.

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P305+P351+P338 IF IT GET IN THE EYES: Rinse carefully with water for several minutes. Remove contact lenses, if present and if possible. Continue rinsing.

Contains fragrance

SUBCHAPTER 2.3. Other dangers

The product does not contain components identified as PBT or vPvB

CHAPTER 3. COMPOSITION/INFORMATION ON THE INGREDIENTS

SUBCHAPTER 3.1. Data on the ingredients of the substance :

not relevant

SUBCHAPTER 3.2. Data on the ingredients of the mixture:

Chemical name	CAS number	EC number	Classification ²	Maseni share %
Quaternary ammonium compounds, benzyl-S 12 -18 alkyldimethyl, chlorides	68391-01-5	269-919-4	Ak.tox . 4*, H302 Leather cover 1B, H314 Ošt. Eye 1 N318 Live water sred.-ak . _ 1, H400 Max=1	1
Ethanol	64-17-5	200-578-6	App. Current 2 H225	1

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² Classification in accordance with the Rulebook on the Classification, Packaging, Labeling and Advertising of Chemicals and Certain Products in accordance with the Globally Harmonized System for Classification and Labeling of the UN ("Official Gazette of the RS", no. 105/13, 52/17 and 21/19)

Competent _ text H- mark listed are in chapter 16

CHAPTER 4 . FIRST AID MEASURES

SUBCHAPTER 4.1. Description of first aid measures

Eye contact:

In case of contact with the eyes, immediately rinse with plenty of water and ask for help medical assistance . Do not use any medication before consulting a doctor.

Skin contact:

Wash with soap and water

After inhalation:

Take the injured person to fresh air. Provide him with oxygen. Do not give mouth-to-mouth artificial respiration. Seek medical attention immediately.

Ingestion:

Rinse your mouth and throat with clean water. Do not induce vomiting, drink plenty of water. In case of nausea, consult a doctor.

SUBCHAPTER 4.2. The most significant symptoms and effects, acute and coated

Not specified

SUBCHAPTER 4.3. Emergency medical assistance and special treatment

Treat symptomatically

CHAPTER 5 . FIRE EXTINGUISHING MEASURES

SUBCHAPTER 5.1. Fire extinguishing agents

Alcohol-resistant foam, water spray, CO₂ , extinguishing powder.

Unsuitable extinguishing media fire :

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Not specified.

SUBCHAPTER 5.2. Special hazards that may arise from substances and mixtures :

The fire should be extinguished by a trained person (firefighter). In case of fire or increased temperature, there may be an increase in pressure and explosion of the container.

Take regular measures against fire, no special fire protection is required.

The product is not flammable.

SUBCHAPTER 5.3. Advice for firefighters:

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

CHAPTER 6 . MEASURES IN CASE OF AN ACCIDENT

SUBCHAPTER 6.1. Personal precautions, protective equipment and procedures in the event of an accident:

Personal precautions:

In accordance with chapter 8 of this safety data sheet relating to

Information for personal protection. Provide adequate ventilation. Do not inhale fumes. Avoid contact with skin, eyes and clothing. There is a risk of slipping in case of leakage or spillage of the product.

SUBCHAPTER 6.2. Precautions related to the environment:

Prevent spillage into waterways, soil and sewerage: dispose of in a place regulated by law for waste disposal

SUBCHAPTER 6.3. Measures to be taken and material for prevention

Extensions and rehabilitation:

In case of product spillage, wash the affected area with plenty of water.

SUBCHAPTER 6.4. Reference to other chapters:

Use of personal protective equipment see chapter 8

Waste disposal see chapter 13

CHAPTER 7 . HANDLING AND STORAGE

SUBCHAPTER 7.1. Precautions for safe handling

Read the label carefully.

Provide sufficiently good ventilation of the space.

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

Wash your hands after using the product.

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Do not eat, drink or smoke in the work area. Remove contaminated clothing before entering the eating area.

SUBCHAPTER 7.2. Conditions for safe storage, including incompatibility:

Store in well-closed original packaging in a cool place. Keep away from food, beverages and animal feed. Store in a dark and cool place, out of the reach of children, in the original packaging.

SUBCHAPTER 7.3. Special ways of use:

No data

CHAPTER 8 . Exposure control and personal protection

SUBCHAPTER 8.1, Exposure control parameters:

Limitation of exposure:

Rulebook on preventive measures for safe and healthy work when exposed to chemical substances ("Official Gazette of RS" No. 106/09, 117/19) :

Components	CAS number	ppm	mg/m3	category
Ethanol	64-17-5	500	960	GVI (8 h)
		-	-	KGVI (15 min)

SUBCHAPTER 8.2. Exposure control and personal protection:

Personal protective equipment:

Eyes: Not necessary in regular use of the product,

Skin: After each wash, wash your hands in clean water, people with sensitive or damaged skin should strictly follow the instructions for use and avoid prolonged contact with the washing solution.

Respiratory organs: Not necessary in regular use of the product.

Avoid contact with eyes and skin in accordance with occupational safety regulations.

CHAPTER 9 . Physical and chemical properties

SUBCHAPTER 9.1.

Data on the basic physical and chemical properties of the chemical

a) Appearance and color of the chemical as it is put into circulation: Homogeneous, liquid,

b) Smell: perfumed

c) Threshold there is no smell determined

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g) pH :	no data
d) Melting/freezing point	No data
f) Initial boiling point and boiling range :	No data.
e) Flash point :	No data
h) evaporation rate	No data
z) Stickiness (solid, gaseous) :	No data.
i) Upper/lower limit of flammability or explosiveness :	No data.
j) Steam pressure :	No data
k) Vapor density:	No data
l) Relative density:	No data
l) Solubility :	Soluble in water, alcohol
m) Partition coefficient in the n -octanol/water system :	No data.
n) Auto-ignition temperature :	No data
nj) Viscosity:	No data
p) Explosive Properties :	None data
r) Oxidizing properties :	No data

SUBCHAPTER 9.2. Other data

Miscibility : not available

Conductivity : no available

Solubility in oil : no available

Oxidoreductive potential : it is not available

CHAPTER 10 . REACTIVITY AND STABILITY

SUBCHAPTER 10.1. Reactivity

Stable under recommended transport and storage conditions

SUBCHAPTER 10.2. Chemical stability

Stable under recommended transport and storage conditions

SUBCHAPTER 10.3. Possibility of dangerous reactions

No data

SUBCHAPTER 10.4. Conditions to avoid

No data

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SUBCHAPTER 10.5. Incompatible materials

No data

SUBCHAPTER 10.6. Hazardous decomposition products

No data

CHAPTER 11 . TOXICOLOGICAL DATA

SUBCHAPTER 11.1. Data on toxic effects

a) Acute toxicity

** Ethanol ; (CAS: 64-17-5):

LD50 (oral, rat): 7060 mg/kg

LC50 (inhalation, rat): 20000 ppm/10h

LDLo (oral, human): 1400 mg/kg

b) Skin corrosion/irritation

Causes skin irritation

v) Severe eye damage/eye irritation:

Causes severe eye irritation

g) Sensitization of respiratory organs or skin:

criteria for classification are not met

d) Mutagenicity of germ cells

criteria for classification are not met

f) Carcinogenicity:

criteria for classification are not met

e) Reproductive toxicity

criteria for classification are not met

h) Specific toxicity for the target organ - single exposure

criteria for classification are not met

z) Specific toxicity for the target organ - repeated exposure

criteria for classification are not met

i) Aspiration hazard

criteria for classification are not met

**data taken from the ECHA (European Chemicals agency) website

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CHAPTER 12. ECOTOXICOLOGICAL DATA

SUBCHAPTER 12.1. Toxicity

** Ethanol ; (CAS: 64-17-5):

algae : ErC50 Selenastrum capricornutum : 12900 mg/l / 48h

ErC50 Chlorella vulgaris: 275 mg/l / 72h

Aquatic invertebrates : EC50 Daphnia magna: 12340 mg/l / 48h

fish : LC50 Oncorhynchus mykiss: 13000 mg/l / 96h

SUBCHAPTER 12.2. Persistence and degradability

The product is biodegradable, it breaks down easily

SUBCHAPTER 12.3. Bioaccumulation potential

does not have data

SUBCHAPTER 12.4. Mobility in land

does not have data

SUBCHAPTER 12.5. Results of PBT i vPvB

The product does not contain components identified as PBT or vPvB

SUBCHAPTER 12.6. Other adverse effects

does not have data

**data taken from the ECHA (European Chemicals agency) website

CHAPTER 13. DISPOSAL

SUBCHAPTER 13.1. Waste treatment methods

Waste disposal:

Removal must be in accordance with the Law on Waste Management ("Official Gazette of RS", number 36/09 and 88/10, 14/16 , 95/18).

Unused remaining product does not constitute hazardous waste and should be treated in accordance with positive waste disposal regulations.

Used packaging is municipal packaging waste and must be treated in accordance with the Law on Packaging and Packaging Waste. Packaging for recycling - non-returnable bottle.

Before disposal or recycling, empty the packaging and rinse with water.

CHAPTER 14 . DATA ON TRANSPORTATION

SUBCHAPTER 14.1. UN number

does not have

SUBCHAPTER 14.2. UN name for cargo in transport

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does not have

SUBCHAPTER 14.3. Transport hazard class

does not have

SUBCHAPTER 14.4. Packaging group

does not have

SUBCHAPTER 14.5. Danger to the environment

does not have

SUBCHAPTER 14.6. Special precautions for the user

no data

SUBCHAPTER 14.7. Transport in bulk

no data

CHAPTER 15 . REGULATORY DATA

SUBCHAPTER 15.1. Safety, Health and Environmental Regulations

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

Rulebook on the content of the " Official Gazette of the RS " Safety Bulletin no . 100/11

Rulebook on the list of classified substances " Official Gazette of RS " no . 22/20

SUBCHAPTER 15.2. Chemical safety assessments:

Pen assessment chemical safety it's not conducted

CHAPTER 16. ON PERMANENT DATA

Changes and additions:

With this latest edition of the Safety Data Sheet, all previous editions are no longer valid.

Literature:

Safety data sheets for components

ECHA (European Chemicals Agency) website

List of Abbreviations and Acronyms:

CAS Chemical Abstract Service - No chemical compounds and some mixture

EC European commission number Identification Number substances in the EU

PBT Persistent , bioaccumulative and toxic

vPvB Very much so persistent and very bioaccumulative

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LC50 Lethal Concentration - Lethal concentration , concentration chemicals which kills 50% tested population

Used the data For product are from literature

List security notices _ from chapters 2 and 3

H-marks

H 225 Flammable liquid and vapour.

H226: Flammable liquid and vapor

H302: Harmful if swallowed

H304 May cause death if swallowed and enters airways

H314: Causes severe skin burns and eye damage

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318: Causes serious eye damage

H319 Causes severe eye irritation

H400 Very toxic to aquatic life

H411: Toxic to aquatic life with long lasting effects

Information in Security list are based on the basis ours current ones knowledge and subject are with changes , yes Yes not represent For all specific characteristics products and not determine there were what kind of legally valid contractual relationship