

Reference: Regulation (EC) 1907/2006 453/2010	<b>MATERIAL SAFETY DATA SHEET</b> (MSDS) Product: <b>Bactiseptic Orange</b>	Version 11 Date last revision: 11.10.17 SHEET 1 of 8
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## 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF THE COMPANY:

**1.1. Product identifier:** Bactiseptic Orange

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

**Use of the substance:** Antiseptic disinfectant for healthy skin.

**Spanish Ministry of Health register:**

**Register num. DGFyPS:** 715-DES

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer:** Vesimin S.L. C/Lluça, 28 5º - 08028 Barcelona (Spain)

vesimin@vesimin.com

**Telephone number:** +34 934 095 301

**Fax:** +34 933 396 628

**e-mail:** [vesimin@vesimin.com](mailto:vesimin@vesimin.com)

**1.4. Emergency number:** +34 934 095 301 (working hours)

## 2. HAZARD IDENTIFICATION:

**2.1. Classification of the substance or mixture**

**Classification according to EC Regulation num. 1272/2008 [CLP]**

LIQUID FLAMMABLE. Category 2 (H225)

EYE IRRITATION. Category 2 (H319)

STOT SE. Category 3 (H336)

AQUATIC CHRONIC. Category 3 (H412)

**2.2. Label elements: according to EC Regulation num. 1272/2008 [CLP]**

Hazard pictograms:



Signal word: DANGER

Hazard statements:

- Highly flammable liquid and vapour (H225)
- Causes serious eye irritation (H319)
- May cause drowsiness or dizziness (H336)
- Harmful to aquatic life with long lasting effects (H412)
- To avoid risks to human health and the environment, comply with the instructions for use (EUH 401)

Precautionary Statements

- Keep away from heat/sparks/open flames/hot surfaces. — No smoking. (P210)
- Avoid release to the environment (P273)
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)
- If eye irritation persists: Get medical advice/attention. (P337+P313)
- Store in a well-ventilated place. Keep container tightly closed. (P403+P233)
- Dispose of contents and container in accordance with local regulations (P501)

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### 2.3. Other hazards

Flammable (contains isopropyl alcohol). Wait until total evaporation

No significant environmental or health risks if used under standard conditions of commercial and industrial use.

**PBT:** This product is not identified as PBT/vPvB

## 3. COMPONENT COMPOSITION / INFORMATION

### 3.2. Substance/Mixture: Mixture

#### Dangerous components:

Ingredient	CAS num.	Classification** 1272/2008	Concentration
Chlorhexidine digluconate D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12- diimino-2,4,11,13- tetraazatetradecanediamidine (2:1)	18472-51-0	Eye Dam. 1: H318 Acute aquatic 1: 400	2%
Isopropyl alcohol	67-63-0	Flam. liq 2: H225 Eye Irrit. 2: H319 STOT SE 3: H336	70%
Excipients and water	-	-	qsf 100 %

Complete text of Hazard statements indicated in this Section are explained in Section 16.

## 4. FIRST AID MEASURES:

### 4.1. Description of first aid measures

#### First aid measures:

**Swallowing:** (\*) Rinse mouth with water and seek immediate medical assistance. If the patient is conscious, supply water.

**Inhalation:** Transfer the victim to a non contaminated atmosphere. In case of breathing interruption, apply artificial respiration. Maintain the patient in repose and seek medical advice.

**Eye contact:** Wash with plenty of water for at least 15 minutes. If irritation persists, consult an ophthalmologist.

(\*) Medical information: do not induce vomiting. Perform a stomach-pumping previous to adding dimeticone (antifoam).

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

**Effects and symptoms:** No specific effects and/or symptoms are known. Symptoms derived from isopropyl alcohol: headaches, vertigo, narcosis, drowsiness. The swallowing can cause inebriation, coma. Skin, eye and respiratory tract irritation.

**Eye contact:** irritating to the eyes

**Skin contact:** a significant or prolonged irritation by skin contact is not expected. Systemic adverse effects by contact or absorption through the skin are not expected.

Avoid contact with eyes, middle ear (risk of perforation of the eardrum if the product

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reaches in great amounts the external conduit, with possibility of neurosensorial deafness) and meninges.

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

See section 4.1.

## **5. FIRE-FIGHTING MEASURES**

### **5.1. Extinguishing media**

**Suitable extinguishing tools:** Foam, dry chemical powder, CO<sub>2</sub>, sand and water spray fog.

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

**Special hazards of fire/explosion:** Extremely flammable product with heat, sparks, static electricity or flames. Vapour/air mixtures are explosive. The combustion or thermal decomposition releases toxic fumes. Evacuate the area.

**Special measures:** Cool the bottles by pulverising water to them if they have been exposed to fire. Do not directly spray with water. Keep away from sources of ignition – Do not smoke. Store used water for its later disposal. The disposal must be done according to local or national regulation. Contain the liquid and avoid the penetration into drains and water course. Contain all the material used in the fire fighting.

### **5.3. Advice for fire-fighters**

**Special protective equipment for fire-fighters:** Fire-fighters must be provided with adequate protective equipment, and respiratory equipment.

## **6. ACCIDENTAL RELEASE MEASURES:**

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

**Personal precautions:** Take common precautions. Extinguish the flames. Eliminate ignition sources. Do not smoke. Avoid sparks. Use suitable respiratory protection equipment. Use adequate protective cloths, gloves and eyes/skin protection. Contaminated clothing must be cleaned thoroughly.

### **6.2. Environmental precautions**

**Environmental precautions:** Avoid pouring the product into the public drainage. If the product reaches a river course or a sewer, or it has contaminated the soil or vegetation, warn the Authorities. Collect it in plastic containers and eliminate it in appropriate places.

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

**Cleaning measures:** Do not release product into drainpipes or in the environment. Eliminate the spilled product with materials that act as absorbents (sawdust, peat, or chemical chelating agents). Place the collected product in containers that can be closed. Clean floors and all objects with this material using a damp cloth. Collect the cleaning materials and place them inside containers that can be closed. Ventilate the area and clean the zone once the spillage is collected.

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#### 6.4. Reference to other sections

Refer to sections 8 and 13 of SDS.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Handling:** Take measures to avoid splashing in the eyes.

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

**Storage:** Store in high density polyethylene or PET containers. Keep away from direct sunlight and other heat or ignition sources. Do not smoke in storage zones. Keep the container well closed and in a cool and well ventilated place. Store only in the original containers. Do not keep at temperatures higher than 25°C. Avoid freezing.

### 7.3. Specific end use(s)

Antiseptic for healthy skin. For professional use only.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Threshold Limit Value (TLV) of Isopropyl alcohol: The ACGIH recommends a TWA of 400 ppm (980 mg/m<sup>3</sup>) and a STEL of 500 ppm (1225 mg/m<sup>3</sup>).

### 8.2. Exposure controls

**Hygienic measures:** Do not eat, drink or smoke during use.

**Exposure control:** Avoid spilling, contact with eyes and ingestion.

**Equipment to provide adequate personal protection:** Non specific protection equipment is required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

**Aspect:** Transparent orange liquid

**Odour:** characteristic (alcohol)

**pH:** 6-8 (20 °C)

**Solubility in water:** 100% soluble (20 °C)

**Density:** 0.60 – 1.00 g/cc (20 °C)

**Flammability:** Flammable

Closed flash point: 21°C

### 9.2. Other information

#### Data for Isopropyl Alcohol

**Flash Point:** 12 °C

**Relative density of vapour:** > 1.0

## 10. STABILITY AND REACTIVITY

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**10.1. Reactivity:** Keep away from heat and direct sunlight. Keep away from direct flames and sources of ignition. Keep away from oxidisers.

**10.2. Chemical stability**

Product is stable in recommended conditions of handling and storage.

**10.3 Possibility of hazardous reactions**

It does not present.

**10.4. Conditions to avoid**

Non applicable

**10.5. Incompatible materials**

**Materials to avoid:** Considering the cationic character of Chlorhexidine salts, these are chemically non-compatible with anionic compounds. Keep away from sulphates, borates, bicarbonates, chlorides...

**10.6. Hazardous decomposition products**

Combustion or thermal decomposition release toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**Acute toxicity:**

Oral route: Not harmful by oral ingestion. DL<sub>50</sub> (oral route) > 2000 mg/kg

Inhalation route:

Isopropyl alcohol: The ACGIH recommends a TLV-TWA of 400 ppm (980 mg/m<sup>3</sup>) and a STEL of 500 ppm (1225 mg/m<sup>3</sup>).

These values are not exceeded during the use of the product, according to the indicated use of the product.

Through skin and/or eyes:

\*Skin irritation: Non irritating.

\*Eye irritation: Irritating to eyes.

\*Skin sensitisation: It does not cause hypersensitisation.

**Corrosiveness:** Not corrosive.

**Carcinogenicity:** Not carcinogenic

**Mutagenicity:** Not mutagenic

**Toxicity for reproduction:** Not toxic for reproduction

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity:

In order to avoid human and environmental risks, follow the instructions for use.

### 12.2. Persistence and degradability

The product has powerful microbial action, hence it could affect the EDAR microbial flora.

### 12.3. Bioaccumulative potential

Not available.

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#### 12.4. Movility in soil

Not available

#### 12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance

#### 12.6. Other adverse effects

Harmful to aquatic organisms

Data for the ingredients

##### Isopropyl alcohol

- *Mobility:*
  - It is a hydrosoluble substance, which is expected to remain in water.
- *Persistence and degradability:*
  - Easily biodegradable, according to OECD standards.
  - Easily eliminated in a sewage treatment.
- *Bioaccumulation:*
  - A low acute toxicity is predicted for aquatic organisms.
  - No long-term effects are predicted for aquatic organisms.

##### Chlorhexidine digluconate (active ingredient – concentrated):

Toxic to fish, daphnia and algae. LC50 (fish, 48h) = 13,4 mg/l. EC50 (Dpahnia magna, 48h) = 0.087 mg/l. EC50 (algae, 72h): 0,081 mg/l.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

It is recommended to package product surplus or waste resulting from normal use. Label it for identification purposes and seal it. Dirty, empty recipients should be handled in the same manner. The product may be taken to a controlled incineration site, always according to local regulations.

### 14. TRANSPORT INFORMATION

#### 14.1. UN number

1993

#### 14.2. UN proper shipping name

Flammable liquid, n.e.p. (contains isopropyl alcohol)

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

Class 3

#### 14.4. Packaging group

Group II

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC

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**Code**

Not applicable

**ADR Classification:**

- ONU number: 1993
- Class: 3
- Classification code: F1
- Packaging group: II
- Label: 3 (Flammable)
- Risk:30

**MDG Classification:**

- Class: 3

**Air (IATA/ICAO):**

ONU 1993 – Flammable liquid n.e.p.

Label: Flammable liquid

Class 3

Special provisions A3

Packaging group II

Passenger aircraft: Packaging instructions 355/Y344

Max. net quantity 60L/10L

Cargo aircraft: Packaging instructions 366

Max. net quantity 220L

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**15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

The information for safety and health with respect to the label of this product is in accordance with the European Union regulation: n° 1907/2006, 453/2010 and 830/2015.

**European legislation:** Regulation (EC) n° 1272/2008

**15.2. Chemical safety assessment:** not required

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**16. OTHER INFORMATION**

**Other information:** The text in the SDS which has changed since the last version.

**Complete text of hazard statements as referred to in sections 2 and 3:**

H225: Highly flammable liquid and vapour.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness

H400: Very toxic to aquatic life.

**Formation advice:**

The product must be handled by specialized personnel, following manufacturer

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instructions.

Changes from last version refer to format and content of EC Regulation 453/2010. Calculation method determination according to Regulation (EC) 1272/2008 has been used for the classification of the mixture.

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