

Safety Data Sheet  
according to Regulation (EC) No1907/2006

Date: 24.04. 2020.

Version: 1

**BESO Antiseptika**

**Section 1: Identification of the substance/mixture and of the company/ undertaking**

**1.1. Product identifier**

Trade name : BESO Antiseptika

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

Use of the mixture:

Disinfectant for the hands and the skin

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

Manufacturer:

Bulļu str.74, Rīga  
Latvia, LV-1067

**1.4. Emergency telephone number :**

Poisoning and Drug Information Center: Hipokrata str. 2, Rīga, Latvia LV- 1079  
Rescue service in Latvia , tel. 112

**Section 2: Hazards identification**

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

CLP classification (EG) Nr. 1272/2008:

Flam. Liq.: kat.2 H225

**2.2. Label elements**

GHS02

Symbols and signal word:



**Danger**

Hazardous ingredient for labelling: Ethanol

**Hazard statements:**

H 225 Highly flammable liquid and vapour

**Precautionary statements:**

P 210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

P 403 + P 235 Store in a well ventilated place. Keep cool

**2.3. Other hazards**

The mixture does not meet the criteria for classification as PBT or vPvB.

**Section 3: Composition/information on ingredients**

**3.1. Substances**

This product is a mixture

**3.2. Mixtures**

Chemical characterization:

**Ethanol**

EG-No:200-578-6 CAS- No:64-17-5 REACH-Reg. No:01-2119457610-43

Quantity: 79,9%

Flam. Liq.: kat.2 H225 Highly flammable liquid and vapour

**Lactic acid**

EG-No:201-196-2 CAS-No: 50-21-5 REACH-Reg. No:01-2119474164-39

Quantity: ≤ 1%

Skin. Irrit.: kat. 2 H 315 Irritates the skin  
Eye dam.: kat. 1 H 318 Causes serious eye damage

## **Section 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information:**

Immediately seek medical advice. Show the Safety Data Sheet, container or label.

#### **Inhalation:**

Supply fresh air.

#### **Skin contact:**

Not applicable

#### **Eye contact:**

Rinse opened eye for several minutes with plenty of drinking water. If eye irritation persists seek medical advice.

#### **Ingestion:**

Do not induce vomiting. Rinse mouth with drinking water and give plenty of water to drink.

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

Acute: mucous membrane irritation

Delayed: After oral absorption, interference with the central nervous system, e.g.

Dizziness and narcotic effects occur. Facial and skin redness by dilation of the blood vessels.

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

No information

## **Section 5: Firefighting measures**

### **5.1. Extinguishing media**

Water spray, carbon dioxide, dry powder, alcohol-resistant foam.

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

Alcoholic vapours are heavier than air and may spread along floors.

During heating or in case of fire poisonous gas may develop:

For example: carbon monoxide, carbon dioxide and explosive vapour/air mixtures

### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus. Cool endangered containers or persons with water spray.

## **Section 6: Accidental release measures**

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

Wear suitable gloves and protective clothing. Keep ignition sources away- do not smoke.

Ensure adequate ventilation or wear respiratory protection ( Filter A-EN 14387)

### **6.2. Environmental precautions**

Do not allow to reach sewage system/ surface or ground water.

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

Wipe up with absorbent material (cloth, fleece, sand, universal binders).

### **6.4. Reference to other sections**

Safe handling (section 7), personal protective equipment (section 8) and disposal considerations (section 13).

## **Section 7 : Handling and storage**

### **7.1. Precautions for safe handling**

#### **Notes for safe handling:**

Keep container tightly closed. Ensure good ventilation/ exhaust at the workplace.

Caution near alcohol-sensitive materials ( for example: lacquered jewellery or watches of certain plastic).

#### **Notes on general hygiene measures at the workplace:**

Keep away from food. Take off all contaminated clothing immediately. Avoid contact with eyes.

### **7.2. Precautions for safe storage, including any incompatibilities**

### Requirements for storage rooms and containers

Keep cool, but frost-free and not over 25<sup>0</sup> C, well ventilated and dry. Keep out of the

reach of children. Store in the original container. For transport conditions see section 14 above.

### Further information about storage conditions

Keep away from heat and direct sunlight. Keep separate from food.

### Information about fire and explosion protection

Can form explosive gas-air mixtures. Good ventilation, especially at floor level.

Vapours are heavier than air. Keep ignition sources away – do not smoke. Take measures to prevent electrostatic charging.

**Storage class:** 3 ( TRGS 510)

### 7.3. Specific end use (s)

No specific end use known.

## Section 8 : Exposure controls/personal protection

### 8.1. Control parameters

Ingredient	CAS	Value	Base
Ethanol	64-17-5	Occupational Exposure Limits:380 mg/m <sup>3</sup> ; 200 ml/m <sup>3</sup> 4 (II) DFG, Y	TRGS 900

### Relevant DNEL ( Derived No Effect Level) – values:

#### Ethanol:

Workers:

Long-term exposure- systemic effects, dermal : 343 mg/ kg BW/d

Long-term exposure –systemic effects, inhalation: 950 mg/ m<sup>3</sup>

Short-term exposure – local effects, inhalation: 1900 mg/m<sup>3</sup>

Relevant PNEC ( Predicted No Effect Concentration) –values:

Fresh water: 0,96 mg/l

Soil:0,63 mg/kg

Seawater: 0,79 mg/l

Sediment(fresh water):3,6 mg/kg

Sewage plant:580 mg/l

Sporadic release:2,75 mg/l

### 8.2. Exposure controls

#### Individual protection measures - Personal protective equipment:

#### General health and safety measures

Keep away from foodstuff, beverages and feed. Take off dirty, soaked clothes immediately. Avoid contact with eyes.

#### Respiratory protection

With good room ventilation, respiratory protection is not necessary. In exceptional circumstances a respirator with filter A ( EN 14387) may be used.

#### Hand protection

Not required.

#### Eye / face protection

Not required

## Section 9 : Physical and chemical properties

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

Appearance

Physical state : liquid

Colour : colourless

Odour: characteristic

pH at 20<sup>0</sup> C ca. 7

Melting point: ethanol: - 114,5<sup>0</sup> C (OECD 102)

Initial boiling point/boiling range: ethanol: 78<sup>0</sup> C

Evaporation rate : not determined

Flammability: not determined  
Explosion limits in air: ethanol: 2,5 – 15 % ( Vol. %)  
Density at 20<sup>0</sup> C: ca. 0,85 g/cm<sup>3</sup>  
Solubility in water: any  
n-octanol/water: for a mixture not applicable  
Auto-ignition temperature: not determined  
Decomposition temperature: not applicable, no known decomposition  
Viscosity: not determined  
Oxidising properties: not determined

## **9.2. Other information**

Further physical and chemical data have not been determined

## **Section 10: Stability and reactivity**

### **10.1. Reactivity**

No hazardous reactions if stored and used as described.

### **10.2. Chemical stability**

No decomposition if stored and used as described.

### **10.3. Possibility of hazardous reactions**

No hazardous reactions if stored and used as described.

### **10.4. Conditions to avoid**

See section 7

### **10.5. Incompatible materials**

No incompatible materials known.

### **10.6. Hazardous decompositions products**

No decomposition if stored and used as described.

## **Section 11: Toxicological information**

### **11.1. Information on toxicological effects**

The active compound has been extensively studied with regard to the toxic profile.

The exposure is safe if handled as prescribed. In consideration of the mixture no deviant results are expected.

#### **11.1.1. For the mixture:**

##### **Acute toxicity**

Skin corrosion/irritation: not irritant

Eye damage/ irritation: serious eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: no data available

Reproductive toxicity: no data available

STOT – single exposure: no data available

Aspiration hazard: no data available

#### **11.1.2. For the substance:**

##### **Ethanol**

##### Primary irritant effect:

Eyes: irritant (OECD-guideline 405)

Skin : not irritant

##### Sensitization:

No sensitization (OECD 429)

Germ cell mutagenicity: it is not considered to be mutagenic.

OECD 471/475/476/473

Teratogenicity: no effects on or throughout the lactation

##### Symptoms:

Shortness of breath, drowsiness, unconsciousness, drop in blood pressure, vomiting, coughing, headache, intoxication,,, drowsiness, mucosal irritation, dizziness, nausea

Experiences with humans:

Excessive use of alcohol during pregnancy induces Foetal Alcohol Syndrome (reduced birth weight, physical and mental disorders)

**Section 12 : Ecological information**

The mixture was not tested for certain effects. Information on the hazardous substance should be used.

**12.1. Toxicity**

Ethanol

LC<sub>50</sub> in 96 h: 13000 mg/l OECD ( Fish, Acute Toxicity test)

LC<sub>50</sub> in 48 h: 12340 mg/l (Daphnia magna)

**12.2. Persistence and degradability**

Ethanol

97 % OECD 301 B (ready Biodegradability- CO<sub>2</sub> Evolution Test )

**12.3. Bioaccumulative potential**

BCF: 3,2 mg/l Log Pow: - 0,32

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assesment**

The mixture does not contain any substances that are assesend as PBT or vPvB.

**12.6. Other adverse effects**

The mixture is classified as water hazard class 1.

**Section 13. Disposal considerations**

**13.1. Waste treatment methods**

**Treatment of the mixture**

Disposal in compliance with local regulations. Waste should not be disposed of via Wastewater.

**Treatment of contaminated packaging**

Completely emptied containers can be recycled.

**Waste code according to AVV**

07 06 04 for the product

15 01 02 for the primary packaging

**Section 14 : Transport information**

**14.1. UN –number: 1170**

**14.2. Proper shipping name**

All modes of transport: ETHANOL SOLUTION

**14.3. Transport hazard class**

Land: ADR/RID and GGVS/GGVE class: 3

Sea: IMDG/GGV Sea class:3

Air: ICAO-TI/IATA-DGR-class: 3

**14.4. Packing group: II**

**14.5. Environmental hazards**

**Labelling environmentally hazardous substances**

ADR/RID/IMDG-Code/ICAO-TI/IATA-DGR: No

**14.6. Special precautions for user (transport company) : No**

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

No transport in bulk

**Section 15. Regulatory information**

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

**EU –regulations:**

1907/2006 REACH/1272/2008 CLP GHS/528/2012 Biocidal products/98/24 EG

Risks related to chemical substances/648/2004 Detergents

**15.2. Chemical safety assessment**

For this mixture no chemical safety assessment has been carried out.

## **Section 16 : Other information**

### **Literature and data sources**

MSDS of ingredients

### **Methods in accordance with Article 9 of Regulation (EC) no. 1272/2008 used to evaluate the information for the purpose of classification**

Classification was based on the components and the physical and chemical properties.

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product with regard to the safety requirement. The information should not be regarded in any way as a description of the nature of the goods ( product specification).