



## SAFETY DATA SHEET

### BURBEGEL plus UD

prepared under Regulation (EC) No. 1907/2006, 1272/2008

Release Date: 20.03.2020

Revision Date: 31.03.2020

#### 1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND COMPANY/ENTERPRISE.

##### 1.1 Product identifier:

Trade name: BURBEGEL plus UD

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

It is a universal alcohol-based disinfectant agent. The product is intended for fast, safe and professional use - cleaning of alcohol-resistant surfaces and tools as well as hand disinfection when water and soap cannot be used.

##### 1.3 Safety data sheet supplier details:

BGV Ltd,

Hniezdne 471, 06501 Hniezdne, Slovak Republic, Tax ID: 36476340

Tel./Fax: +421 52 42 83 481/+421 52 42 63 633

e-mail: [nestville@nestville.sk](mailto:nestville@nestville.sk)

##### 1.4 Emergency telephone number

National Toxicological Information Center

FNsP Bratislava, Limbová 5

833 05 Bratislava, Slovak Republic

Tel: 00421-02-547 741 66

e-mail: [ntic@ntic.sk](mailto:ntic@ntic.sk), [www.ntic.sk](http://www.ntic.sk)

#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 CLP

##### Hazard statements:

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

##### GHS classification:

Flam. Liq. 2

Eye Irrit. 2

##### 2.2 Label elements:

Signal word: Danger (Dgr)

Hazard pictograms:

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GHS02

GHS07

#### 2.3 Precautionary statements:

**P102** Keep out of reach of children.

**P 210** Keep away from heat / sparks / open flames / hot surfaces. Do not smoke.

**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. If using contact lenses, remove them if possible. Continue rinsing.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances:** Not relevant - not a substance

#### 3.2 Composition

Name of component	CAS NO	EC NO	Reg. number REACH	CLP classification	
Ethanol, min. 70 %	64-17-5	200-578-6	01-2119457610-43-0441	Flam. Liq. 2 Eye Irrit. 2	H225 H319
Glycerin	2216-51-5	218-690-9	-	Eye Irrit. 2 Skin Irrit. 2	H319 H315
Menthol	56-81-5	200-289-5	-	-	-

### 4. FIRST AID MEASURES

**4.1 General advice:** Avoid further exposure to the preparation before first aid.

**In case of inhalation:** Only possible at high concentrations and prolonged exposure in non-ventilated areas. In case of inhalation, remove casualty to well ventilated area, loosen clothing and seek medical advice.

**In case of skin contact:** In case of irritation, flush affected area with water spray for 10 minutes. Seek medical attention if symptoms persist.

**In case of eye contact:** Irritating to eyes. The product may enter the eyes if improperly handled. In case of contact with the mucous membrane, wash the conjunctival sac with water for 10 minutes. Get medical attention.

**In case of ingestion:** Rinse mouth. Drink 1-2 glasses of water. Seek for a doctor. Do not induce vomiting.

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



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Any further relevant information available.

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

Any further relevant information available.

### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media:

Alcohol resistant foam, extinguishing powder, carbon dioxide, water spray jet.

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

Very flammable liquid and vapor. Vapors may cause ignition. There may be accumulation of vapors in small, possibly space restricted rooms. Keep the product away from ignition sources and heat sources.

#### 5.3 Advise for firefighters:

Special protective equipment for firefighters and equipment for firefighting units: wear respiratory protective device with independent air supply.

### 6. ACCIDENTAL RELEASE MEASURES

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

If large quantities are spilled, contact security personnel immediately. Keep unprotected persons at safe distance. Keep away possible ignition sources. Do not step on spilled product.

#### 6.2 Environmental precautions

Avoid release of product to the soil, water and drains.

Methods for cleaning up and removal: dilute smaller quantities and then rinse with plenty of water. If large quantities of product are spilled, enclose this area with a suitable material and ensure that the product does not enter the water. This material should then be placed in a suitable container and disposed according to regulations.

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

Do not eat, drink or smoke while working. Avoid contact with eyes. Avoid contact with open flames, high temperatures, sparks, and ignition sources. Open and handle with care.

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

Store in a separate and designated place. Store in the original, well-sealed container in a cool and well-ventilated place. Store at a temperature not exceeding 25 °C. Keep away from possible ignition sources (sparks, fire).

7.3 Specific end use(s): Examine technical guidelines before using this product.

### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

#### 8.1 Control parameters:

Control parameters for the preparation are not set out in Government Decree no. 355/2006 Coll. On the protection of employees from risks related to exposure to chemical agents at work, as amended.

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Maximum exposure limits (ELV) according to Regulation of the Government of the Slovak Republic no. 471/2011 Coll. on the protection of workers from the risks related to exposure to chemical agents at work.

Name of compound	ELV average ml.m <sup>-3</sup>	ELV average mg.m <sup>-3</sup>	ELV short term ppm	ELV short term mg.m <sup>-3</sup>	Warning
Ethanol	500	960	1000	1920	-

Exposure Limit Value (ELV) for chemical factors are defined as the maximum permissible concentration of a chemical factor (gas, vapor or particulate matter) in the working atmosphere, which generally does not have harmful effects on the health of workers or cause unjustified nuisance, such as unpleasant odors, even with short or long term exposure daily during working life. ELV for chemical factors are determined by mean value and short term value.

ELV average represents the time-estimated average of the concentrations measured in the respiratory zone over an eight-hour working shift and a 40-hour working week.

ELV short term is determined to prevent harmful health effects or other unexpected effects (e.g. irritant, corrosive, narcotic, annoying, affecting the heart and self-preservation ability) caused by short-term repeated peak exposures that are not adequately controlled by applying an eight-hour average limit.

ELV short-term is the time-estimated average of the concentrations measured over a 15-minute reference time that employees can be exposed at any time during a work change (maximum 4 times per change and only for systemic effect substances). ELV short-term is not a peak limit or an independent limit; it is a complementary part of an eight-hour average limit. For chemical factors for which an average and a short-term limit is set, both values must be respected. For chemical factors with significant acute irritant effects, only short-term ELVs are established to take into account health effects arising from short-term exposure. K \* - means that the factor can be easily absorbed by the skin.

#### **8.2 Exposure control measures**

##### **Workplace exposure control:**

Work in well-ventilated rooms, away from heat, fire and pyrophoric substances. There is no need to introduce specific organizational measures when used in systems with a low probability of exposure or intermittent exposure (eg. for maintenance and sampling). It is recommended to conduct vapor concentration measurement at operation where mixture is used. Provide appropriate safety measures in case of exceeding the limits.

##### **Personal protective equipment**

**Respiratory protection:** Required, when vapors/aerosols are generated. Filter for vapors of organic compounds.

**Hands protection:** Required.

**Eyes protection:** It is advisable to wear safety glasses.

**Industrial hygiene:** Change contaminated clothing. Application of skin – protective barrier cream recommended. Wash hands after working with substance.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties:**

#### **General information**

**Form:** transparent colorless liquid

**Odor:** typical alcoholic

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#### 9.2 Important health, safety and environmental information:

**PH value at 20 °C:** 6,5 (concentrate)

**Boiling point and boiling range:** not specified

**Flash point: 18 °C** (closed container)

**Flammability:** highly flammable liquid

**Explosive properties:** not mentioned

**Oxidizing properties:** non explosive product

**Vapor pressure (hPa):** not specified

**Water solubility (g.l-1):** miscible in water

**Partition coefficient n-oct/water:** not specified

**Viscosity:** not specified

**Vapor density:** not specified

**Evaporation rate:** not specified

**9.3 Other information:** No further relevant information available.

## 10. STABILITY AND REACTIVITY

**10.1 Stability:** Stable under normal conditions.

**10.2 Materials to avoid:** Does not react or is compatible with the following materials: organic materials, metals, acids, bases and moisture. Do not mix with other products.

**10.3 Hazardous decomposition products:** Not specified by producer.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Effects of acute and chronic effects

#### Acute toxicity

For ethanol:

LD<sub>50</sub> rabbit, dermal >20000 mg/kg

LD<sub>50</sub> rat, oral 7060 mg/kg

LC<sub>50</sub> rat by inhalation >8000 mg/l/4 h

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity:

Toxicity to fish (ETHANOL)

LC50 *Leuciscus idus* (Golden orfe): 8.140 mg/l; 48 h  
(IUCLID)

Toxicity to daphnia and other aquatic invertebrates

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EC5 E.sulcatum: 65 mg/l; 72 h

(Lit.)

EC50 Daphnia magna (Water flea): 9.268 - 14.221 mg/l; 48 h

(IUCLID)

Toxicity to algae

IC5 Scenedesmus quadricauda (Green algae): 5.000 mg/l; 7 d

(Lit.)

Toxicity to bacteria

EC5 Pseudomonas putida: 6.500 mg/l; 16 h

(IUCLID)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

semi-static test NOEC Daphnia magna (Water flea): 9,6 mg/l; 9 d

(ECHA)

#### 12.2. Persistence and degradability

The ecological evaluation of the product is based on data on raw materials and/or comparable substances. The total organic constituents contained in the product achieve an instantaneous degradation value of > 60% BOD/COD respectively. CO<sub>2</sub> production > 70% decrease in DOC limit values for "readily degradable/readily degradable" (e.g. OECD Method 301).

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Disposal method

**Product:** Chemicals must be disposed of in compliance with the respective national regulations.

**Packing:** Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

## 14. TRANSPORT INFORMATION

14.1 UN number (ADR) 1987

14.2 Proper shipping name OSN

ADR/RID: Ethylalcohol, n.o.s. (Ethanol)

14.3 Class

ADR: 3 – Flammable liquid

14.4 Packing group

ADR: II - Medium danger

14.5 Special precautions for user: Caution: Flammable liquid substances

Kemler code (indicating type of hazard): 33



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#### 15. REGULATORY INFORMATION

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

REGULATION (EC) No 1782/2003 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL Amending Regulation (EC) No 1272/2008 on the classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC and amending Regulation (EC) No. 1907/2006

**H225** Highly flammable liquid and vapor.

**H319** Causes serious eye irritation.

**H336** May cause drowsiness or dizziness.

Flam. Liq. 2

Eye Irrit. 2

**P102** Keep out of reach of children.

**P 210** Keep away from heat/sparks/open flames/hot surfaces. Do not smoke.

**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. If using contact lenses, remove them if possible. Continue rinsing.

**P302+P352** IF ON SKIN: Wash with plenty of water.

##### 15.2 Chemical safety assessment:

The chemical safety assessment was not carried out.

#### 16. OTHER INFORMATION

The product should not use for another purpose than is provided.

In the Safety Data Sheet are available data which was accessible in day processing this document. It does not represent qualitative specification products. This information is relating on above described material and are our best knowledge and experience. It does not represent any guarantee of the properties of the product. Properties does not must be true blending with others materials.

##### **Purpose for safety data sheet:**

The safety data sheet contains the data to ensure the safety and health at work and environment protection.

Guidelines for training: to familiarize staff with the recommended uses mandatory conservation means first aid and restricted handling of product.