

UNIDEZ

according to the REGULATION (EC) no. 1907/2006, 1272/2008

Date of issue: 30. 03. 2020

Revision date:

1. IDENTIFICATION OF SUBSTANCE/COMPOUND AND COMPANY/ENTERPRISE

1.1 Product identifier:

Trade name: UNIDEZ

1.2 Relevant identified uses of substance or compound and not recommended uses:

Alcohol based disinfectant detergent suitable for cleaning of various surfaces and hands.

1.3 Safety data sheet supplier data:

Distributor:

ŠK SPEKTRUM, s.r.o.

Považské Podhradie 348, 01704 Považská Bystrica

Tel.: +421 908 703681 e-mail:

skspektrum@skspektrum.sk

1.4 Emergency phone number

National toxicological information centre

FNsP Bratislava, Limbová 5

833 05 Bratislava

Tel: 00421-02-547 741 66

e-mail: ntic@ntic.sk, www.ntic.sk

2.1 Classification of substance or compound

2. IDENTIFICATION OF DANGER



Classification according to the Regulation (EC) no. (ES) 1272/2008

CLP Flam. Liq. 2 Eye Irrit. 2

2.2 Marking elements:

Signal word: Danger

Marking elements:

Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements:

P102 Keep out of reach of children.

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

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

P501 Dispose of contents/container Product: The chemicals must be disposed of in accordance with a valid national regulation. Bring the product package to the collecting place for separated waste.

UNIDEZ

according to the REGULATION (EC) no. 1907/2006, 1272/2008

Date of issue: 30. 03. 2020

Revision date:

Content data sheet: www.skspektrum.sk

Additional information according to the Regulation EC 648/2004: contains ethanol, hydrogen peroxide, glycerine

2.3. Other warnings: The substances of the compound do not meet the criteria of PBT or vPvB in accordance with annex XIII of the REACH Regulation.

CCHLP registration number: bio/830/D/20/CCHLP

3. COMPOSITION / INFORMATION ABOUT COMPONENTS

3.1 Substances: Not relevant – not a substance

3.2 Compounds: Alcohol based agent consisting of ethanol, hydrogen peroxide and glycerine as active substances.

Substance name	CAS number	EC number	REACH number	Content % (v/v)	CLP classification	
Ethanol	64-17-5	200-578 6	01 2119457610 -43-0019	79 - 83	Flam. Liq. 2 Eye Irrit. 2	H225 H319
Hydrogen peroxide 35% 1)	7722-84-1	231-765 0	01 2119485845 -22-xxxx	0,15-0,2	Acute Tox. 4 Acute Tox. 4 Skin Corr. 1A Eye Dam. 1	H302 H332 H314 H318
Glycerine	56-81-5	200-289 5		1,4-1,6	-	-

1) The substance has specific concentration limits: Skin Corr. 1A; H314: C > 70%; Skin Corr. 1B; H314: 50% < C < 70%; Skin Irrit.

2; H315: 35% < C < 50%; Eye Irrit. 2; H319: 5% < C < 8%; Ox. Liq. 1; H271: C > 70%; Ox. Liq. 2; H272: 50% < C < 70%;

STOT SE 3; H335: C > 35%; Eye Dam. 1; H318: 8% < C < 50%.

Note B: Some substances (acids, alkalis, etc.) are sold on the market as water solutions of various concentrations which demand different classification and marking because their hazardousness changes at various concentrations. In such case, the supplier must specify the percentual concentration of the solution on the label. Unless specified otherwise, it is expected that the concentration is given in percent by mass.

4. FIRST AID MEASURES

4.1 General instruction: Avoid further exposure to the product before providing the first aid.

If inhaled: Has to be taken into account only in case of high levels of concentration and long exposure in not ventilated areas. In case of inhalation move the affected person to a good ventilated area, loosen their clothes and call a doctor according to their state.

If on skin: In case of long time contact with the product a skin irritation can occur. Rinse the affected place with a stream of water and treat it with a skin repair cream. If health complications persist get medical attention.

UNIDEZ

according to the REGULATION (EC) no. 1907/2006, 1272/2008

Date of issue: 30. 03. 2020**Revision date:**

Eye contact: Irritates eyes. The product can penetrate into eyes in case of unprofessional handling. In case of contact with the eye mucous rinse the sac conjunctival for 10 minutes. Get medical attention.

Ingestion: Rinse mouth. Drink 1-2 glasses of water. Call a doctor. Do not induce vomiting.

4.2 Most important symptoms and effects – both acute and delayed

No further relevant information available.

4.3 Data on any need of immediate medical treatment and special treatment

No further relevant information available.

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media:

Alcohol-resistant foam, fire extinguishing powder, carbon dioxide, water spray.

5.2 Specific hazards arising from the substance or compound:

Very flammable liquid and vapours. The vapours may cause ignition. In small or space restricted rooms a cumulation of vapours may occur. Handle with the product in sufficient distance from ignition sources and heat sources.

5.3 Advices for firefighters:

Special protective equipment and equipment for firefighting crews: Use a self-contained breathing apparatus.

6. ACCIDENTAL LEAKAGE MEASURES**6.1 Personal safety measures, protective equipment and emergency methods:**

In case of leakage of a huge amount, contact safety personnel immediately. Keep away unprotected persons in safe distance. Remove possible sources of burning. Do not step into spilled product.

6.2 Environmental precautions:

Avoid leakage of released product into the soil, water and sewerage.

Methods used for cleaning and removing: Dilute lesser amounts of the product and consequently flush it with a huge amount of water. In case of significant leakage of the product confine this area by means of a suitable material and make sure the product has not leaked into water. Subsequently, place this material into a suitable container and dispose in accordance with valid regulations.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling:**

Do not drink or smoke during working. Avoid contact with eyes. Avoid contact with open fire, high temperature, sparks and sources of ignition. Open and handle the container with care.

7.2 Conditions for safe storage including any incompatibility:

Store in a separated and reserved place. Store in original, tightly closed container in a cold and well-ventilated place. Store at temperature not exceeding 25 °C. Keep away from possible fire sources (sparks, fire).

7.3 Specific end use(s): See technical instructions before use.

UNIDEZ

according to the REGULATION (EC) no. 1907/2006, 1272/2008

Date of issue: 30. 03. 2020

Revision date:

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters:

The control parameters for the product are specified in the Government Decree no. 355/2006 Coll. relating to the protection of employees against risks at work connected with the exposure to chemical factors as amended. Highest permissible exposure limits according to Slovak Government Decree no. 471/2011 Coll. relating to the protection of employees against risks at work connected with the exposure to chemical factors.

Substance name	HPEL average ml.m ⁻³	HPEL average mg.m ⁻³	HPEL short-term ppm	HPEL short-term mg.m ⁻³	Warning
Ethanol	500	960	1000	1920	-
Hydrogen peroxide	1	1.4	2	2.8	-

Highest permissible exposure limit (HPEL) for chemical factors is defined as the highest permissible concentration of the chemical factor (gas, vapours or mass particles) in working air environment, which in general has not any harmful effects neither on employees' health nor causes any disturbances, e.g. unpleasant odour as well as during short-term or long-term daily exposure at work. HPELs for chemical factors are specified by an average value and short-term value.

HPEL average represents a time-weighted average of concentrations measured in the breathing area for an eight-hour shift and 40-hour working week.

HPEL short-term is intended to avoid harmful effects on health, or other unexpected effects (e.g. irritating, corrosive, narcotic, disturbing, affecting heart work and self-preservation ability.) caused by short-term repeated peak exposures which are not sufficiently controlled by observing the eight-hour average limit.

HPEL short-term represents a time-weighted average of concentrations measured during a 15-minute reference time to which the employees can be exposed at any time during a working shift (maximally 4 times per shift and only for substances with a system effect). HPEL short-term is not a ceiling limit or independent limit, it is a complementary part of an eight-hour average limit. For chemical factors, for which an average as well as a short-term limit is recommended, both values must be observed. For chemical factors causing significant acute irritating effects only a short-term HPEL is recommended in order to take into account health effects resulting from a short-term exposure.

K* - means that the factor can be easily absorbed by skin.

8.2 Exposure controls

Exposure control in workplace

Work in well-ventilated rooms away from heat sources, fire and self-ignite substances. There is no need to take specific organization measures when using in systems with a low exposure probability or occasional exposure (e.g. maintenance and sampling). In a facility where the work with the compound takes place it is recommended to carry out control measurements of vapour concentration. If the limits are exceeded take appropriate safety measures.

Personal protective equipment

Respiratory system protection: Required when there is a fume / aerosol occurrence. Use an organic compound fume filter.

Hand protection: In case of a long-term contact with the product, protective gloves are required.

Eye protection: It is recommended to use protective goggles.

UNIDEZ

according to the REGULATION (EC) no. 1907/2006, 1272/2008

Date of issue: 30. 03. 2020

Revision date:

Industrial hygiene: It is recommended to use a protective skin cream. Wash your hand after work.**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties:**

General information

Appearance: clear colourless liquid

Odour: typical alcoholic

9.2 Important health, safety and environmental information:

pH value at 20 °C: 6,5 (concentrate)

Boiling point and distillation range: not stated

Ignition temperature: 18°C (closed container) very

Flammability: flammable liquid

Explosive properties:

Lower explosive limit 3.1 (ethanol)

Upper explosive limit 20 (ethanol)

Oxidising properties the product is not dangerous with regard to explosion

Vapour pressure [hPa] 57,26 (ethanol)

Vapour density 1,6 (ethanol)

Relative density: 0,82 g/cm³ (20°C)Density: max. 835 kg/m³

Water solubility (g.l-1): Partition mixable in water

coefficient n-oct./water: log POW: 0,35 at 20°C

Viscosity 1.2 mPa.s

Evaporation speed: not stated

9.3 Further information: No further relevant information available.**10. STABILITY AND REACTIVITY****10.1. Reactivity:** The compound is stable under normal circumstances at ambient temperature and if released into the environment**10.2 Chemical stability:** Stable under normal conditions.**10.3. Possibility of hazardous reactions:** Not known**10.4. Conditions to avoid:** high temperatures, direct sunlight, high concentration of vapours.**10.5 Incompatible materials:** it does not react or is compatible with the following materials: organic materials, metals, acids, alkalis, and humidity. Do not mix with other products.**10.6 Hazardous decomposition products:** The producer does not state any.**11. TOXICOLOGICAL INFORMATION****11.1 Acute and chronical effects**

Acute toxicity

Ethanol:

LD₅₀ rabbit, dermal >20000 mg/kgLD₅₀ rat, oral 7060 mg/kgLC₅₀ rat inhalation >8000 mg/l/4 h

UNIDEZ

according to the REGULATION (EC) no. 1907/2006, 1272/2008

Date of issue: 30. 03. 2020**Revision date:****12. ECOLOGICAL INFORMATION****12.1 Toxicity:**

Toxicity for fish (ETHANOL)

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

Toxicity for water fleas and other water invertebrates

EC50 *E.sulcatum*: 65 mg/l; 72 h (Lit.)EC50 *Daphnia magna* (Water flea): 9.268 - 14.221 mg/l; 48 h (IUCLID)

Toxicity for algae

IC5 *Scenedesmus quadricauda* (Green algae): 5.000 mg/l; 7 d (Lit.)Toxicity for germs EC5 *Pseudomonas putida*: 6.500 mg/l; 16 h (IUCLID)

Toxicity for water fleas and other water invertebrates (chronical toxicity) semi-static test

NOEC *Daphnia magna* (Water flea): 9,6 mg/l; 9 d (ECHA)**12.2. Persistence and degradability**

Ecological evaluation of the product is based on raw materials and / or comparable substances data.

Values of immediate degradability of overall organic components in the tested product reach > 60% BOD / CHSK, resp. decrease of DOC limit values of CO₂ generation for "easily degradable / easily degradable" > 70% (e.g. by means of OECD 301 method).**13. DISPOSAL CONSIDERATIONS****13.1. Disposal method**

Product: The chemicals must be disposed of in accordance with applicable national regulations.

Packing: The product container must be disposed of in accordance with applicable national regulations or returned to the system of returnable containers.

14. TRANSPORT INFORMATION

14.1 UN (ADR) number 1170

14.2 Proper shipping mark OSN ADR/RID: ALCOHOLS, n.o.s. (Ethanol)

14.3 Hazard class in transport 3

14.4 Packing group II

15. REGULATORY INFORMATION**15.1 Directives/legal regulations specific for the substance or compound in the field of safety, health and the environment:**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.,

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended,

UNIDEZ

according to the REGULATION (EC) no. 1907/2006, 1272/2008

Date of issue: 30. 03. 2020**Revision date:**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP), amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended, Decree of the Slovak Government No. 355/2006 Coll. on the protection of workers from the risks related to exposure to chemical agents at work as amended, Act No. 355/2007 coll. on protection, support and development of public health and on amendments and supplements to certain acts. Act No. 364/2004 coll. on waters and amendments to the Act of The National Council of The Slovak Republic No. 372/1990 coll. on offences as amended by later regulations (Water Act), Act no. 79/2015 Coll. relating to waste and the amendment of some laws, Decree of the Slovak Ministry of Environment No. 365/2015 Coll. relating to Waste Catalogue.

15.2 Chemical safety assessment:

Chemical safety assessment has not been carried out.

16. OTHER INFORMATION

Full text of H statements from section 3:

H225 Highly flammable liquid and vapour**H302** Harmful if swallowed**H332** Harmful if inhaled**H314** Causes severe skin burns and eye damage**H318** Causes serious eye damage**H319** Causes serious eye irritation

The product should not be used for other purposes than stated above. Data available in the safety data sheet are data which were available on the day of creation of this document. It is not to be considered a quality specification of the product. This information about the above material is correct to the best of our knowledge and experience. It is not to be considered a warranty of product properties. The product properties may not apply to such material if mixed with other materials.

Purpose of the safety data sheet:

The safety data sheet contains data on the safety of health at work and environmental protection.

Instructions for training: acquaint employees with recommended uses, mandatory protective equipment, first aid and product handling restrictions.