SAFETY DATA SHEET

Section 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier
Product name: Hand disinfectant
Product Class: Disinfectant according to WHO (World Health Organization) formula 1.

1.2. Relevant identified uses of the substance or mixture and uses advised against.
Uses identified: Disinfectant according to WHO formula 1 from denatured ethyl alcohol. Alcohol based, ready-to-use, water-soluble, hand disinfectant.
Uses advised against: Do not use for the intended uses and uses.

1.3. Details of the supplier of the safety data sheet

Manufacturer:
Vilniaus Degtinė AB
Panerių g. 47, LT-03160 Vilnius, Lithuania
Tel. 8 696 51 637
El. Email: dezinfekantas@degtine.lt
E-mail address of the person responsible for the safety data sheet: safetydata pages@gmail.com

1.4. Emergency telephone number:
National Poisons Information Centre, Beaumont Hospital, PO BOX 1297, Beaumont Road, Dublin 9, Dublin.
For Members of Public: +353(1)8092166. For Healthcare Professionals: +353(1)8092566

Medical Emergency helpline 112 or 999

Section 2. POTENTIAL HAZARDS

2.1. Classification of the substance or mixture (according to Regulation (EC) No 1272/2008)

In accordance with Regulation 1272/2008 / EC.	Flame liquid Cat. 2, H225 Eye irritation. Cat. 2, H319

2.2. Labelling elements (in accordance with Regulation (EC) 1272/2008)

Hazard Pictograms:

GHS02  GHS07 

Signal word: Dangerous
Hazard statements: H225 Highly Flammable Liquid and Vapour H319 Causes serious eye irritation

Precautionary statements:

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames or hot surfaces other sources combustion. Do not smoke.
P261 Avoid breathing vapours
P233 Keep container tightly closed
P264 Wash hands thoroughly after handling
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / protective clothing / eye protection / face protection safeguards.
P301 IF SWALLOWED: P313 Get medical advice/ attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P370+P378 In case of fire: Use foam, carbon dioxide or dry powder to extinguish.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with local regulations.

Hazardous components which must be listed on the label: Not applicable

Additional labelling information:

EUH phrase (s): Not applicable
Tactile Hazard Labels (TWD) - Applicable. Packaging of any capacity shall be made available to the general public
labelled with tangent danger label.
Child-resistant Closing Devices (CFR) - Not applicable

2.3. Other hazards: None known

PBT and vPvB: Not applicable. Neither the mixture nor the components of the mixture meet the criteria for PBT and / or vPvB according to
See Annex XIII of REACH.

Section 3. COMPOSITION AND INFORMATION ON INGREDIENTS

3.1. Materials. Not applicable.

3.2. Mixtures. The product is a chemical mixture. Based on a mixture of denatured ethyl alcohol (manufactured according to WHO formula 1).

Components to be provided:

Name of material / REACH Registration umber	**CAS / EC (Index) no.**	***Classification according to Regulation EC No.1272 / 2008***	**md%**
* Ethanol / 01-2119457610-43-xxxx	64-17-5 / 200-578-6(603-002-00-5)	Flame liquid Cat. 2, H225 Serious eye irritation. Cat.2, H319	66.62 -83.28
* Glycerol (99%) / 01-2119471987-18-xxxx	56-81-5 / 200-289-5	Not classified	1.4
* 30% hydrogen peroxide / 01-2119485845-22-xxxx	7722-84-1 / 231-765-0 (008-003-00-9)	Harmful if swallowed 4, H302 Serious eye damage. 1, H318 Harmful if inhaled 4, H332 (*specific concentrations:* *Oxidizer liquids 1, H271 ≥ 70%;* *Oxidizer liquids 2, H272 ≥ 50 - <70%;* *Skin corrosive 1A, H314 ≥ 70%;* *Skin corrosive 1B, H314 ≥ 50 - <70%;* *Skin irritation 2, H315 ≥ 35 - <50%;* *Serious eye damage. 1, H318 ≥8 - <50%;* *Serious eye irritation. 2, H319 ≥ 5 - <8%;)*	0.4
* butanone ethylmethylketone / 01-2119457290-43-xxxx	78-93-3 / 201-159-0 (606-002-00-3)	Flame liquid Cat. 2, H225 Serious eye irritation. 2, H319 STOT SE 3, H336 (Central Nervous System)	0.479 -0.599
* 5-methyl-3-heptanone / 01-2119977137-28-xxxx	541-85-5 / 208-793-7 (606-020-00-1)	Flame liquid Cat. 3, H226 Serious eye irritation. 2, H319 STOT SE 3, H335 (respiratory tract,inhalation) *(Specific concentrations: STOT SE 3 ≥ 10%)*	0.0094 -0.0117

*** substances with occupational exposure limit values (OELs).**
For the full text of the H-Statements mentioned in this Section, see Section 16.6

Section 4. FIRST AID AND SAFETY

4.1. Description of first aid measures

General: In case of suspected or suspected poisoning, seek medical attention or contact National Poisons Information Centre, Beaumont Hospital, PO BOX 1297, Beaumont Road, Dublin 9, Dublin. For Members of Public: +353(1)8092166. For Healthcare Professionals: +353(1)8092566.
If the victim has lost consciousness, do not give a drink or anything in your mouth. Use personal protective equipment when giving first help.
Skin contact: Wash with soap and water.
Eye contact: Do not rub eyes, tilt head, open eyelids extensively, rinse thoroughly with water, also under the eyelids. Remove contact lenses if possible and rinse / flush with water.
Rinse / wash for at least 15 minutes. Immediately contact / seek medical advice to an eye doctor.
Ingestion: Rinse mouth with water, drink water. Seek medical attention.
Inhalation: Remove to fresh air. Loosen breathing clothing. If you feel bad or seek medical attention if symptoms occur.

4.2. Most important symptoms and signs, both acute and delayed

Eyes: redness, tearing, dense blink, increased sensitivity of the eyes to light.
Skin: Dry skin, cracking. Itching, rash, redness. Skin irritation.
Inhalation: Headache, dizziness, drowsiness. Possible nausea, respiratory tract irritation, general weakness.
Ingestion: Bitterness in mouth, nausea.

4.3. Indication of any immediate medical attention and special treatment needed: Treat symptomatically similar to alcohol poisoning. Prolonged exposure to vapour may have narcotic effects.
Symptoms of poisoning may occur immediately and general medical observation is recommended at least 24 hours after the accident.

Section 5. FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media: Dry chemicals, sand, dolomite, carbon dioxide, dry powder, water spray, water mist / mist. Extinguish larger flames with alcohol resistant extinguishing media foam.
Unsuitable measures: Strong water jet.

5.2. Special hazards arising from the substance or mixture: Highly flammable product. In case of fire it is released noxious / irritating gases / vapours which may form explosive air-vapour mixtures with air. Vapours may spread to the source of ignition and increase the risk of fire. Waste from fire fighting, contaminated collect extinguishing media in containers and prevent entry into the environment, household sewage. Possible seal potential drainage openings, close ground / surface water access, isolate extinguishing site, collecting / isolating waste from fire fighting, extinguishing solutions, other fire-fighting products as they may contaminate the environment.

5.3. Advice for firefighters:
Protective measures: Keep container cool by spraying with water.

Protective equipment: Wear suitable protective clothing and self-contained breathing apparatus. Firelighters' clothing (including helmets, safety boots and gloves) conforming to European standard EN 469 provide a basic level of protection in the event of chemical accidents.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions Avoid contact with eyes. Avoid inhalation of vapours. No smoking, sparks, flames or other sources of ignition near spillage.
6.2. Environmental precautions: Avoid contact of concentrated product with soil, water, sewerage, drainage systems. In the event of large spills, isolate the accident site and inform appropriate authorities to call the fire and rescue service.
6.3. Methods and material for containment and cleaning up: Stop spillage, absorb spillage with sand, gravel, universal binder, other non-combustible, absorbent material, sweep / staple and fit properly, labelled, tightly closed containers and dispose of according to national regulations (section 13). Avoid vapour / aerosol formation. Flush residues with water. Small spills are possible rinse with water. Collect the resulting cleaning solutions mechanically / manually or technically / automated (with appropriate pumps) using appropriate personal protective equipment. Remove by law legal requirements. In case of large spillage, install barriers or guardrails to prevent spillage the product should be allowed to enter drains, water courses, cellars, and other enclosed spaces. For the product in the event of seepage into sewage system and / or surface water / groundwater and through large quantities and / or large areas - inform the relevant authorities.
6.4. Reference to other sections: See Section 7 for information on safe handling and storage;
Refer to Section 8 for information on personal protective equipment; Information on material disposal presented in Section 13.

Section 7. HANDLING AND STORAGE

7.1. Precautions for safe use
Avoid contact with eyes. Avoid inhalation of vapours. Eliminate all sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities
Keep away from heat, sparks and open flame. Store in tightly-closed, original container in a well-ventilated place. Storage temperature +5
- +25 o C

7.3. Specific end use (s): No use other than as specified in 1.2 section, none.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters
8.1.1. Occupational exposure limits (OELs): Not applicable for the final product / mixture.
8.2. Exposure controls
8.2.1. Hardware Adjustment Information: Unlimited Working Time (up to 480 minutes per shift, 5 shifts per week). Ensure regular control of the air quality in the work environment and perform continuous monitoring parameter monitoring according to technical ventilation requirements. Ensure that equipment is provided near workstations eye / hand wash, safety showers recommended. Take care of good industrial hygiene.
8.2.2. General protective and hygienic measures: Do not eat, drink or smoke in the workplace- not come into contact with skin, mouth or eyes, -.wear personal protective equipment. Before breaks and after work wash off using appropriate means (soap, etc.). Remove contaminated / dirty clothing after finishing work clothes, shoes, goggles, and other contaminated items and clean / rinse them properly detergent / detergent (powder or other) before using it again. Use certified safety equipment complying with EU requirements and standards or its

equivalents where the risk cannot be avoided or sufficiently restrict it by technical means of collective protection, methods and labour organization procedures.

Eye / face protection

When handling the product it is recommended to use airtight goggles and a protective shield (EN 166).

Hand and skin protection

When handling the product it is recommended to wear impervious, abrasion resistant, alkaline / acid resistant protective gloves (EN 374). Suitable material for protection against short-term exposure to nitrile rubber, butyl rubber. Gloves should have a thickness of at least 0.1 mm and a breakthrough time of> 240 min. Neoprene, polyvinyl chloride, butyl or natural rubber suitable for long-term / permanent use gloves - material thickness 0,3 - 0,4 mm, penetration time> 480 min.

Other skin protection equipment

No special requirements. It is recommended to wear full body covering clothing, which are resistant to the effects of the product (EN 14605). It is recommended to make sure the clothes are on anti-static protective, non-electrically protective clothing. Avoid contact with the product. Body protection measures to be taken according to the concentration and amount of the dangerous substances at the workplace

Respiratory protective devices

Not applicable under normal conditions of use / handling. However, with insufficient ventilation and for prolonged / steady exposure individual respiratory protective equipment with a filter may need to be used, protecting against organic gases, vapours or aerosols (EN 143, 14387) or filtering half masks with valves for gas protection (EN 149). When selecting a respirator, consideration should be given to known or implied respiratory protection exposure levels, product hazards, and exposure limits for the selected respirator.

Protection against thermal hazards: Precautions when handling highly flammable chemicals mixtures / substances.

8.2.3. Environmental Impact Control: Check emissions from ventilation and production equipment to ensure they are

compliance with environmental legislation. In some cases, to reduce emissions to an acceptable level, you may need to install steam filters, engineering upgrades, wipers, or work modifications process progress / equipment.

Air: Product exposure controls for ambient air should be performed according to the general dust exposure guidelines available the methodology for the calculation of particulate emissions and the prescribed legislation.

Water: Exposure controls to environmental conditions should be followed for waste water discharge order and established methods / criteria for calculating release into the environment.

Soil and terrestrial environment: There must be controls on the effect of the product on the soil and terrestrial environment shall be carried out in accordance with the procedures for discharge of waste water and laid down for the calculation of the release into the environment methods / criteria.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

The information provided is based on a mixture of denatured ethyl alcohol of a blend base (manufactured in accordance with

WHO formula 5) physical-chemical properties.

Appearance	Clear liquid
Odour:	Alcohol
Odour threshold	Not applicable / no data available
pH value	Not applicable
Melting point / freezing point	-114 ° C
Initial boiling point and boiling point interval	78 ° C to 81 ° C (at 101.3 kPa pressure)
Flash point	12 to 14 o C (closed cup method)
Evaporation rate	Not applicable / no data available
Relative density:	No data
Solubility in water	Soluble
Oxidizing properties	Strong oxidizing agents oxidize.

9.2. Other information: None

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity: Stable under recommended conditions of normal use and storage.
10.2. Chemical stability: Stable under recommended conditions of normal use and storage.
10.3. Possibility of hazardous reactions: Under recommended conditions of normal use and storage, no dangerous reactions will occur.
10.4. Conditions to avoid: contamination / reaction with flammable substances, alkalis, strong acids, oxidizing agents, amines. High / low temperature, heat / cold sources, open fire, hostage / hot surfaces, freezing.
10.5. Incompatible materials: explosive, oxidizing, flammable, corrosive, alkaline / acidic substances, alcohol ethoxylate, amines.
10.6. Hazardous decomposition products: Combustion products (carbon oxides, nitrogen oxides, sulphur oxides, phosphorus oxides).

Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
The product fulfils certain classification criteria for the respective risks to human health. Relevant the components reach / exceed the established limit values / concentrations.

Acute toxicity: product according to the CLP criteria (Annex I, section 3.1) not classified as acutely toxic / harmful if swallowed, inhaled and / or dermal. Based on available specification, does not meet the criteria for classification.
Calculated mixture ATE LDC (oral) => 10 000 mg / kg
ATE mix (dermal) - not applicable
Calculated mixture ATE LDC (inhalation) => 100 mg / kg

Related components:

hydrogen peroxide (7722-84-1)	LD50 (oral)> 300 - <2000 mg / kg (ATE 500 determined) LC50 (by inhalation)> 10 - <20 mg / L (determined by ATE 11)

Skin corrosion / irritation: mixture according to the criteria of CLP Annex I (section 3.2), not classified as corrosive / irritant to skin. Based on available data, the classification is not met criteria.
Related components:

hydrogen peroxide (7722-84-1)	Skin corrosion (OECD 431 *in vitro* skin corrosion test). Set spec. Concentration: Skin corrosion. 1A, H314 ≥ 70%; Skin corrosion 1B, H314 ≥ 50 - <70%; Skin irritation 2, H315 ≥ 35 - <50%;

Serious eye damage / eye irritation: mixture according to the criteria of CLP Annex I (section 3.3) classified as a serious eye irritant. According to the available data, corresponds to classification criterion.
Related components:

Ethanol (64-17-5)	Causes serious eye irritation (OECD 492 In vitro test method). Set Spec. Concentration: Serious eye irritation. > 50%
Hydrogen peroxide (7722-84-1)	Skin corrosion (OECD 431 *in vitro* skin corrosion test). Set spec. Concentration: Serious eye damage. 1, H318 ≥ 8 to <50%; Serious eye irritation. 2, H319 ≥ 5 - <8%;

Butanone ethylmethylketone (78-93-3)	Causes serious eye irritation (OECD 492 In vitro test method).
5-methyl-3-heptanone (541-85-5)	Causes serious eye irritation (OECD 492 In vitro test method).

Respiratory sensitization: mixture according to the criteria of CLP Annex I (section 3.4), not classified as respiratory sensitizer. Based on available data, the classification is not met criteria.
Related Components: None
Skin sensitization: mixture according to the criteria of CLP Annex I (section 3.4), not classified as a skin sensitizer. Based on available data, the classification criteria are not met. Related Components: None
Mutagenic effects: mixture according to the criteria set out in Annex I to the CLP Regulation (section 3.5), not classified as mutagen. Based on available data, the classification criteria are not met.
Carcinogenicity mixture according to the criteria of CLP Annex I (section 3.6) not classified as a carcinogen. Based on available data, the classification criteria are not met.
Reproductive toxicity (fertility / development): Mixture according to Annex I to CLP not classified as toxic for reproduction (section 3.7). Based on available does not meet the criteria for classification. Related Components: None
STOT SE: mixture is not classified according to the criteria set out in Annex I to CLP (section 3.8) as specific target organ toxicity (single exposure). Based on available data does not meet the classification criteria.
Related components:

Butanone ethylmethylketone (78-93-3)	May cause drowsiness or dizziness (harmonized classification, weight of evidence approach, WoE)
5-methyl-3-heptanone (541-85-5)	May cause respiratory irritation (harmonized classification, weight of evidence method, WoE). Set spec. concentrations: STOT SE, 3 ≥ 10%.

STOT RE: mixture according to the criteria set out in Annex I to CLP (section 3.9) is not classified as specific target organ toxicity (repeated exposure). Based on available data, non-compliant classification criteria.
Related Components: None
Aspiration hazard: mixture according to the criteria set out in Annex I to the CLP Regulation (Chapter 3.10), not classified as aspiration hazard. Based on available data, the classification is not met criteria.
Related Components: None

Symptoms and delayed, acute and chronic effects due to physical, chemical and toxic properties
Short-term and long-term exposure: May cause short-term, minor skin toxicity slight skin irritation, itching, redness, rash. Prolonged contact with open skin can cause drying or cracking of the skin. Eye effects include irritation, possible corneal / retinal damage, tearing, crunching, irritation, possible cataract inflammation. Slightly acute inhalation or inhalation poisoning may include respiratory depression, nausea, vomiting, headache and headache dizziness, high blood pressure. After intoxication following ingestion or inhalation of high doses, loss of consciousness, seizures, uncoordinated movements, cramps, convulsions.

Section 12: ECOLOGICAL INFORMATION

12.1. Acute / chronic Eco toxicity to the environment
Acute Eco toxicity: mixture according to the criteria of CLP Annex I (section 4.1), not classified as acute aquatic toxicity. Based on available data, non-compliant classification criteria.
Chronic Eco toxicity: mixture according to the criteria of CLP Annex I (section 4.1), not classified as toxic / harmful to the aquatic environment in the long term. Based on available does not meet the criteria for classification. Related Components: None
12.2. Persistence and degradability: The degree of degradation of the final product (mixture) is not determined. According to available data, the components of the mixture are classified as rapidly

degradable. Component disintegration degree> 70% in 28 days. Biodegradation of surfactants in disinfectant Degree of compliance with Detergent Regulation No. 648/2004 / EC.
12.3. Bio accumulative potential: The bioaccumulation potential of the final product (mixture) undetectable. The components of the mixture do not have bioaccumulation potential. Component LogKow / logPow <4 and / or BCF <500.
12.4. Mobility in soil: The **mobility of the** final product / mixture in soil has not been determined. Components no adsorption coefficients have been determined.
12.5. Results of PBT and vPvB assessment: PBT: Not applicable; **vPvB**: Not applicable. Neither mixture nor mixture the components do not meet the criteria for PBT and / or vPvB according to Annex XIII of REACH.
12.6. Other unwanted effects: Large quantities can balance the natural balance of aquatic ecosystems, the natural cycle of the ecosystem. May affect plants, plankton and other wildlife.

Section 13. WASTE MANAGEMENT

13.1. Waste management methods
Recommendations: Do not dispose of product waste into local and / or rainwater drains, surface water water bodies, natural environment. Do not dispose of with household waste and dispose of in sewage. The waste must be are handled in accordance with the Waste Management Regulations and the Waste Management Act.
Assigned Hazardous Properties of Waste: HP 4 (Irritant)

Waste management code:
Depending on the use and the waste generated, the final waste management code is assigned to the final one the user / operator taking into account the toxic and physical - chemical properties of the waste determined appropriate waste identification methods as defined by EU and national legislation.
Contaminated packaging:
15 01 10 * containing residues of or containing dangerous substances contaminated (VP). Empty container completely and dispose of in accordance with local regulations.
Warning: Empty containers may contain residues of substances that are hazardous. Without proper guidance do not attempt to refill or clean containers. Empty containers must be reused, recycled, disposed of or returned to a contractor who performs such work and has an appropriate license issued in accordance with applicable law. Keep containers away from excess pressure, not cut, welded, brazed, drilled, ground or hot. Keep away from flames, sparks, static electricity and other sources of combustion.

Section 14. TRANSPORT INFORMATION

The product is subject to requirements and classification for the transport of dangerous goods (IMDG, IATA, ADR / RID).

	ADR - Land roads RID - Railways	**ADNR - Waterways IMDG - Seaways**	**IATA - Airways**
14.1. UN number	1170	1170	1170
14.2.Correct cargo name	ETHANOL SOLUTION (ethyl alcohol solution)	ETHANOL SOLUTION (ethyl alcohol solution)	ETHANOL SOLUTION (ethyl alcohol solution)
14.3. Shipping hazard class	3	3	3
14.4. Classification code	F1	F1	F1
14.5. Packing group	II	II	II
14.5. Signs of danger	3	3	3
14.6. Environmental hazards	NO	NO	NO
Transportation of bulk cargo under Annex II of MARPOL73 / 78 and the IBC Code	Not applicable	Not applicable	Not applicable

Section 15. REGULATORY INFORMATION

Regulation No 1907/2006 / EC (REACH):
✓ SVHC (Candidate List of Substances of Very High Concern): Not applicable
✓ REACH Annex XIV (List of substances to be authorized): Not applicable
✓ REACH Annex XVII (Restricted substances list): Not applicable
Regulation No 649/2012 / EC (PIC): Not applicable
Regulation No 850/2004 / EC (POT): Not applicable
Regulation No 1005/2009 / EC (OSAM): Not applicable
Regulations No. 1107/2009 / EC (Plant protection products): Not applicable
Directive No. 2004/37 / EC (carcinogens / mutagens): Not applicable

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture
Relevant / applicable EU / international legislation:
2006 December 18 Regulation (EC) No 1049/2001 of the European Parliament and of the Council On chemicals substance registration, evaluation, authorization and restriction (REACH);
2008 December 16 Regulation (EC) No 1049/2001 of the European Parliament and of the Council 1272/2008 on Chemical Classification, Labelling and Packaging (CLP) of substances and mixtures;
2015 May 28 European Commission Regulation (EU) 2015/830 (SDL Requirements);
2008 May 30 European Commission Regulation (EC) No. 440/2008 (Test methods);
2016 March 9 Regulation (EU) No 182/2011 of the European Parliament and of the Council 2016/425 (Personal Protection measures);
2004 March 31 Regulation (EC) No 1049/2001 of the European Parliament and of the Council 648/2004 (Detergents Regulation);
2012 May 22 Regulation (EU) No 182/2011 of the European Parliament and of the Council 528/2012 (Biocides)
2008 November 19 Directive 2008/98 / EC of the European Parliament and of the Council (waste);
2012 July 4 Directive 2012/18 / EU (Major Accident Response (SEVESO);
1998 April 7th Directive 98/24 / EC (Protection of the health and safety of workers from chemical agents)
1989 June 12 Directive 89/391 / EEC (OSH)

1994 June 22 Directive 94/33 / EEC (protection of young people at work);
European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR);
European Agreement concerning the International Carriage of Dangerous Goods by Water (IMDG);
European Agreement concerning the International Carriage of Dangerous Goods by Air (IATA); May 3 European
Commission Decision 2000/532 / EC (Hazardous Waste List (LoW));

Relevant national (Republic of Lithuania) legislation:
2001 July 24 order no. 97/406 on 'Regulations for the *protection of workers from chemical agents at work and protection of employees from exposure to carcinogens and mutagens at work* (a consolidated version of the 2020-01-17).
2011 September 1 order no. V-824 / A1-389 on Lithuanian Hygiene Norm HN 23: 2011 "Chemical *occupational exposure limit values for substances. Measurement and Impact Assessment General Requirements* (topical edition 2020-01-17).
1999 July 14 order no. 217 on "Waste *Management Regulations*" (current version as of 06/12/2018).
2006 October 12 order no. D1-462 on ' *Data and information on the Republic of Lithuania manufactured, imported, distributed, exported and industrial, professional or other economic activities the substances and preparations used, their properties, their potential effects on human health and the environment description of the procedure of submission, collection, accumulation and further distribution* "(current version as of 01/11/2015).
2008 July 2 order no. D1-360 on "Inventory of *Chemical Substances and Preparations*" (current edition dated 28-01-2016).
Note: Any subsequent updates, changes and / or amendments to the legislation should be appropriately taken into account additions. The list of acts is not exhaustive.
15.2. Chemical Safety Assessment: Chemical Safety Assessment according to Article 14 of REACH not performed (not applicable for mixtures).

Section 16. OTHER INFORMATION

16.1. References to amendments: The information provided is in line with the REACH Regulation no. And Annex II to Regulation (EC) No Regulation no. 2015/830. First edition. Date: 2020-03-10.
16.2. Mixture classification methods used: mixture classification based on known / established the chemical - physical properties of the mixture, based on the (eco) toxicological information on the ingredients, and on the basis of: the classification of the components and their concentrations in relation to the specific concentrations established and / or determined / calculated acute point values according to CLP Regulation no. 1272/2008 requirements.

Physical hazards	According to established / approved test methods (according to a basic component of a mixture of denatured ethyl alcohol).
Health hazards Environmental hazards	Method of calculation of constituents and concentrations (method of calculation) based on specific concentrations established and available /known values.

16.3. Identified uses, description of use and categories: Disinfectant according to WHO 1 formula from denatured ethyl alcohol. Hand sanitizer.
16.4. Abbreviations and acronyms
ATE Acute toxicity estimate
ADR / RID European Agreement concerning the International Carriage of Dangerous Goods by Road / Rail
AP Protective measures
(AP) Absolutely dangerous

CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation; Regulation (EC) No. 1272/2008
DNEL Derived no-effect level
EC50 Effective concentration of the substance at 50% of maximum response
ECHA European Chemicals Agency
EINECS European Inventory of Existing Commercial Chemical Substances
EWC European Waste Catalogue
ERC Emission category
H&S Safety and Health
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods Code
IPRD Long term exposure limit value
LC50 50% lethal concentration populations studied
MEASE Exposure assessment and evaluation of materials
MS Member States
NTP National Toxicity Program
N / E Not included
OELV Limit value in the work environment
OSHA Agency for Safety and Health at Work
PBT Persistent, bio accumulative and toxic
PNEC Predicted No Effect Concentration
PROC Process Category
PC Chemical Product Category
RE Repeated exposure
REACH Registration, Evaluation, Authorization and Restriction of Chemicals
RAC Committee for Risk Assessment, European Chemicals Agency
SCOEL Scientific Committee on Occupational Exposure to Chemical Agents
SDS Safety Data Sheet
SE Single exposure
STP Wastewater Treatment Plant
SU Usage Sector
STOT Specific target organ toxicity
SVHC List of Substances of Very High Concern
TLV-TWA Threshold Limit - Average value over time
TPRD Short term exposure limit
VLE-MP Exposure limit value is an average value in mg / m3 air
vPvB Very persistent and very bio accumulative
(VP) mirror dangerous

16.5. Sources used: Information supplied by the manufacturer, Safety Data Sheets for components, European Chemicals Agency (ECHA), European Agency for Safety and Health at Work (OSHA), European Food the Security Services (EFSA), the International Organization for Economic Cooperation and Development (OECD), German IFA Database (GESTIS), Swedish Chemicals Agency (KemI), International laboratory organizations (ILO), TOXNET and others. Database accessible / submitted data.

16.6. All relevant hazard (H) phrases are indicated in sections 2 and / or 3:

Flammable liquids, Category 2	H225	Highly flammable liquid and vapour
Flammable liquids, Category 3	H226	Flammable liquid and vapour
Oxidising liquids, Category 1	H271	May cause fire or explosion, strong oxidizer
Oxidising liquids, Category 2	H272	May increase fire, oxidizer
Acute toxicity (oral), Category 4	H302	Harmful if swallowed
Skin corrosion, Category 1	H314	Causes severe skin burns and eye damage
Skin irritation, Category 2	H315	Irritating to skin
Serious eye damage, Category 1	H318	Causes serious eye damage
Serious eye irritation, Category 2	H319	Causes serious eye irritation
Acute toxicity - inhalation, Category 4	H332	Harmful by inhalation
Specific target organ toxicity – single exposure, Category 3	H335	May cause respiratory irritation
Specific target organ toxicity - single exposure, Category 3	H336	May cause drowsiness or headaches dizziness

16.7. Training information

Employees / users must be trained / familiarized with the relevant safety information provided.

16.8. Disclaimer

The data given in this safety data sheet must be accessible to anyone whose work involves: substance, preparation. The data are based on our current knowledge and are intended to describe the chemical product safety and health at work, environmental aspects. Information in the safety data sheet will be supplemented by new data on the health and environmental effects of the preparation, preventive measures to reduce or eliminate hazards. The Safety Data Sheet is provided the information does not disclose other specific properties of the substance or preparation.

General note: *The SDSs were based on valid lists and substances / mixtures data provided by manufacturers / registrants. To our knowledge, a chemical, physical, (eco) toxicological mixture and the properties of its constituents have not been thoroughly investigated. The mixture itself has not been subjected to (eco) toxicological studies object, it was obtained by mixing components with more (eco) toxicological biographies - lesser known. However, given that it is difficult to use / evaluate existing standard (eco) toxicological evaluation methods for mixtures to anticipate all potential environmental hazards components that are sensitive to humans, the public, or that may result from unforeseen conditions, this mixture any in any case, should be used and handled as potentially hazardous to the environment and human health and treatment must be backed up by all precautions.*