

MATERIAL SAFETY DATA SHEET

[Prepared in accordance with Regulation EC 1907/2006 (REACH) as amended].

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

1.1 Product ID

SUSEPT

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

Identified uses Disinfectant.

Use advised against: not specified.

1.3 Details of the supplier of the safety data sheet

Supplier: **Bogusław Witosiński Zakład Produkcyjno Gastronomiczny**

Address: ul. Role 3, 34-200 Sucha Beskidzka, Poland

Telephone / Fax: (033) 874-43-04/874-57-80/(033)874-43-40

E-mail address of the person responsible for the safety data sheet: biuro@theta-doradztwo.pl

1.4 Emergency telephone number

112 (general telephone), 998 (fire brigade), 999 (medical emergency)

Toxicological Information Centres: +58 682 04 04 (Gdańsk), +12 411 99 99 (Kraków), +61 847 69 46 (Poznań),
+ 48 607 218 174 (Warszawa).

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Flam. Liq. 2 H225, Eye Irrit. 2 H319

Highly flammable liquid and vapour Causes serious eye irritation

2.2 Label elements:

Hazard pictograms and warning statement



DANGER

Names of hazardous ingredients on the label

NO

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 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.

P403+P235 Store in a well ventilated place.. Store in a cool place.

P501 Dispose of contents/container to to properly labelled waste containers in accordance with national regulation.

2.3 Other effects

Mixture components do not meet the criteria for PBT or vPvB according to Annex XIII of the REACH Regulation.

MATERIAL SAFETY DATA SHEET

Issued on: 05/04/2020 Rev.: 1.0/PL

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS NO. 64-17-5 EC number: 200-578-6 Index number: 603-002-00-5 Number of the relevant registration: 01-2119457610-43-XXXX	<u>ethanol</u> ¹⁾ Flam. Liq. 2 H225, Eye Irrit. 2 H319 <u>Specific concentration limit:</u> Eye Irrit. 2 H319 < 50%	< 80 %
CAS NO. 67-63-0 CE number: 200-661-7 Index number: 603-117-00-0 Number of the relevant registration: 01-2119457558-25-XXXX	<u>propan-2-ol</u> ¹⁾ Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	< 10 %
CAS NO. 7722-84-1 EC number: 231-765-0 Index number: 008-003-00-9 Number of the relevant registration: 01-2119485845-22-XXXX	<u>hydrogen peroxide, solution</u> 3% ¹⁾ Ox. Liq. 1 H271, Acute Tox. 4H302, Skin Sens. 1A H314, Acute Tox. 4 H332, STOT SE 3 H335, Aquatic Chronic 3 H412 <u>Specific concentration limits:</u> STOT SE 3 H335; C ≥ 35 % Eye Dam. 1 H318 8 % ≤ C < 50 % Eye Irrit. 2 H319 5 % ≤ C < 8 % Ox. Liq. 1 H271 C ≥ 70 %**** Ox. Liq. 2 H272 50 % ≤ C < 70 % **** Skin Corr. 1A H314: < 70 % Skin Corr. 1B H314: 50 % ≤ C < 70 % Skin Irrit. 2 H315 35 % ≤ C < 50 %	< 4.5 %
CAS NO. 56-81-5 EC number: 200-289-5 Index number:- Number of the relevant registration: -	<u>glycerol</u> ¹⁾ the substance is not classified as hazardous	< 2 %

1) Substance with a maximum occupational exposure limit set at national level.

The full text of H phrases is quoted in section 16 of the sheet.

Section 4: First aid measures

4.1 Description of first aid measures

In contact with skin: product also designed to disinfect the skin. Contact your doctor if you have any disturbing symptoms.

In contact with eyes: Rinse with plenty of clean water for a few minutes. Protect the unaffected eye, remove contact lenses. Consult an ophthalmologist in case of disturbing symptoms.

When ingested: do not induce vomiting. Never give anything in the mouth to an unconscious person. Consult a physician if you have any disturbing symptoms.

After inhalation exposure: take victim to fresh air, keep him warm and calm. Consult a doctor if you have any disturbing symptoms

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

In case of prolonged contact, redness and dryness of the skin are possible.

4.3 Indications for any immediate medical attention and special treatment needed

The decision on how to proceed shall be taken by the doctor after assessment of the condition of the injured individual. Symptomatic treatment.

MATERIAL SAFETY DATA SHEET

Issued on: 05/04/2020 Rev.: 1.0/PL

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media CO₂, dry extinguishing agents, extinguishing foam, water spray.

Unsuitable extinguishing media: compact water jet - risk of fire spreading.

5.2 Special hazards arising from the substance or mixture

Harmful vapours and gases containing e.g. carbon monoxide and other unidentified thermal decomposition products may be released during combustion. Avoid inhaling combustion products, they may pose a health hazard.

5.3 Information for firefighters

General protection means in case of a fire. It is not allowed to stay in the area exposed to fire hazard without proper chemical-resistant clothing and self-contained breathing apparatus. Highly flammable liquid and vapour Product vapours are heavier than air and accumulate in the lower parts of rooms. They may form explosive mixtures with air. Cool containers at risk of fire from a safe distance with water spray. Do not allow fire extinguishing water to enter drains, surface and ground water. Collect used extinguishing agents.

Section 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures

Limit access of third persons to the area of emergency until completion of proper cleaning operations. Make sure that the removal of the failure and its consequences is carried out only by trained personnel. Use personal protective equipment. Avoid eye pollution. Ensure adequate ventilation.. Do not inhale the product vapour. Eliminate all ignition sources - do not use an open flame, do not smoke, do not use sparking tools, etc.

6.2 Environmental protection

If larger quantities are released, steps must be taken to prevent them from spreading into the environment. Relevant emergency services.

6.3 Methods and materials for contamination containment and cleaning up

Collect the leakage with non-flammable liquid-absorbing materials (e.g. sand, earth, universal binding agents, etc.) and place in labelled containers. Treat the material collected as waste. Clean and ventilate the contaminated area well.

6.4 References to other sections

See section 13 of the sheet for handling product waste. Personal protective equipment - see section 8 of the SDS..

Section 7: Handling and storage

7.1 Precautions for safe handling:

Work in accordance with the rules of safety and hygiene. Do not eat, drink and smoke while working. Avoid product contact with eyes. Ensure adequate ventilation.. Do not inhale vapours. Intended use Unused containers should be stored in sealed containers. Eliminate ignition sources - do not use open fire, do not use sparking tools and clothing from electrically susceptible fabrics. Do not allow the concentration of vapours in the air and do not allow concentrations within the limit of explosive properties or above MAC.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly closed packaging in cool and well-ventilated rooms. Do not store with food, animal feed or incompatible materials (see subsection 10.5). Protect against direct sunlight and excessive heating. "Keep away from sources of ignition. After opening, seal the container and store upright to prevent leakage.

MATERIAL SAFETY DATA SHEET

Issued on: 05/04/2020 Rev.: 1.0/PL

7.3 Specific end use(s):

No uses other than those specified in Subsection 1.2.

Section 8 : Exposure controls/personal protection

8.1 Control parameters

Substances	MAC - TWA	MAC -STEL	MAC - C	BLV
ethanol [CAS 64-17-5]	1900 mg/m ₃	—	—	—
propan-2-ol * [CAS 67-63-0]	900 mg/m ₃	1200 mg/m ₃	—	—
glycerol - inhalable fraction [CAS 56-81-5]	10 mg/m ₃	—	—	—
hydrogen peroxide [CAS 7722-84-1]	0.4 mg/m ₃	0.8 mg/m ₃	—	—

* The absorption of the substance through the skin may be as important as for inhalation exposure. Legal basis: JoL. No 2018, item 1286 as amended.

Recommended monitoring procedures:

Procedures for monitoring the concentrations of hazardous components in the air and for controlling workplace air cleanliness shall be used, where available and justified at the site, in accordance with the relevant Polish or European Standards, taking into account the conditions prevailing at the site of exposure and an appropriate measurement methodology adapted to the working conditions. The mode, type and frequency of tests and measurements shall meet the requirements of the Ordinance of the Minister of Health of 2 February 2011. (JoL 2011, no. 33, item 166 as amended).

DNEL value

		Ethanol:	propan-2-ol	Hydrogen peroxide
Exposure route	Exposure scheme	DNEL (worker)		
Inhalation	Long-term systemic effects	950 mg/m ₃	500 mg/m ₃	1.4 mg/m ₃
	Acute systemic effects	1900 mg/m ₃	—	3 mg/m ₃
skin	Long-term systemic effects	343 mg/kg b.w./day	888 mg/kg b.w./day	—

		Ethanol:	propan-2-ol	Hydrogen peroxide
Exposure route	Exposure scheme	DNEL (consumers)		
Inhalation	Long-term systemic effects	114 mg/m ₃	89 mg/m ₃	—
	Acute systemic effects	950 mg/m ₃	—	—
skin	Long-term systemic effects	206 mg/kg b.w./day	319 mg/kg b.w./day	—
oral	Long-term systemic effects	87 mg/kg b.w./day	26 mg/kg b.w./day	—

MATERIAL SAFETY DATA SHEET

Issued on: 05/04/2020 Rev.: 1.0/PL

PNEC value

PNEC	Ethano l:		propan-2-ol		Hydrogen peroxide Fish
	Value	Factor	Value	Factor	Value
fresh water	0,96 mg/l	10	140,9 mg/l	1	0,0126 mg/l
sea water	0,79 mg/l	100	140,9 mg/l	1	—
freshwater sediment	3,6 mg/kg d.m.	—	552 mg/kg d.m.	—	0.047 mg/kg d.m.
freshwater sediment	2.9 mg/kg d.m.	—	552 mg/kg d.m.	—	—
soil	0.63 mg/kg d.m.	1 000	28 mg/kg d.m.	—	0.023 mg/kg
sewage treatment plant	580 mg/l	10	2251 mg/l	1	—
periodical discharge	2.75 mg/l	100	140.9 mg/l	1	—

8.2 Exposure control

Follow the general safety and hygiene rules. Do not eat, drink and smoke while working. Wash hands before breaks and after having finished working. Avoid contact with eyes. Do not inhale vapours. General and/or local ventilation must be provided in the workplace in order to keep the concentrations of harmful agents in the air below the established limit values. If during the work processes there is a danger of lighting clothes on the employee - no more than 20 m in the horizontal line from the workstations where these processes are carried out, rescue showers (safety showers) for washing the whole body and separate showers (showers) for washing the eyes should be installed.

Hand and body protection

Product to be applied also on the skin. Depending on the task being performed, use protective clothing and gloves appropriate to the potential risk.

Eye protection:

Wear safety glasses if there is a risk of contamination of the eyes.

Respiratory Protection

Respiratory protection is not required for normal and intended use. Use appropriate respiratory protective equipment in case of failure, exceeding MAC

The personal protective equipment used must meet the requirements of Regulation 2016/425/EU. The employer must provide protection measures appropriate to the activities carried out and meeting all quality requirements, including maintenance and cleaning.

Environmental exposure controls

Prevent direct leakage into drains/surface water. Do not contaminate surface water and drainage ditches with chemicals or used packaging. Spills or uncontrolled leaks to surface water must be reported to the relevant authorities in accordance with national and local regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

state of aggregation: liquid
colour: colourless
odour: characteristic of alcohol
odour threshold: not indicated
pH value: not determined
melting/freezing point: approx. - 114 °C (ethanol)
initial boiling point: approx. 78 °C (ethanol)
flash point: approx. 15 °C (ethanol)
evaporation rate: not indicated
flammability (solid, gas): Does not apply

MATERIAL SAFETY DATA SHEET

Issued on: 05/04/2020 Rev.: 1.0/PL

UEL/LEL

upper/lower explosive limit:
19,0 % vol./ 3,3 % vol (ethanol)

vapour pressure: not determined

vapour density: not determined

density: not determined

solubility: completely mixed with water

partition coefficient: n-octanol/water: not determined

auto-ignition temperature: not applicable; product is not auto-ignitable

decomposition temperature: not determined

explosive properties: does not show

oxidising properties: does not show

viscosity: not determined

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity:

Reactive product. Product vapours may form explosive mixtures with air. It does not undergo dangerous polymerization. See also section -10.5.

10.2 Chemical stability

When used and stored correctly, the product is stable.

10.3 Possibility of hazardous reactions

In reaction with certain metals may produce hydrogen.

10.4 Conditions to Avoid

Protect against excessive heating, heat and ignition sources.

10.5 Incompatible materials

Strong oxidants.

10.6 Hazardous Decomposition Products

Not known

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicity of components

ethanol [CAS 64-17-5]

LC₅₀ (inhalation, rat) 20 000 ppm/10h

LC₅₀ (inhalation, mouse) 39 mg/m³/4h

LD₅₀ (oral, rat) 7 060 mg/kg

LD₅₀ (oral, mouse) 3 450 mg/kg

LD₅₀ (oral, rabbit) 6 300 mg/kg

propan-2-ol [CAS 67-63-0]

LC₅₀ (inhalation, rat) > 5 mg/l/4h

LD₅₀ (oral, rat) > 2 000 mg/kg

LD₅₀ (skin, rabbit) > 2 000 mg/kg

hydrogen peroxide [CAS 7722-84-1]

LD₅₀ (oral, rat) > 1026 mg/kg

LD₅₀ (skin, rabbit) > 2000 mg/kg

LC₅₀ (inhalation, rat) > 170 mg/m³/ 30 minutes

MATERIAL SAFETY DATA SHEET

Issued on: 05/04/2020 Rev.: 1.0/PL

Toxicity of mixture

Acute toxicity

The acute toxicity of the mixture (ATEmix) was calculated on the basis of the relevant conversion factor in Table 3.1.2. of Annex I to the CLP Regulation as amended.

ATEmix (orally) > 2000 mg/kg

ATEmix (inhalation) > 20 mg/l

Based on the available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on the available data, the classification criteria are not met.

Serious eye damage/irritation Irritating to eyes.

Based on the available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on the available data, the classification criteria are not met.

Germ cell mutagenicity

Based on the available data, the classification criteria are not met.

Carcinogenic effect

Based on the available data, the classification criteria are not met.

Reproductive toxicity

Based on the available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity- repeated exposure

Based on available data, the classification criteria are not met.

Aspiration Hazard

Based on the available data, the classification criteria are not met.

Section 12: Ecological information

12.1 Toxicity

Toxicity of components

ethanol [CAS 64-17-5]

Toxicity to fish LC₅₀ 12 900-15 300 mg/l/96h/ rainbow trout

Toxicity to bacteria EC₅₀ 34 900 mg/l/5-30 min.

propan-2-ol [CAS 67-63-0]

Toxicity to fish LC₅₀ > 100 mg/l/48h/*Leuciscus idus melanotus*

Toxicity to Daphnia EC₅₀ > 100 mg/l/48h/*Daphnia magna*

Toxicity to algae EC₅₀ > 100 mg/l/72h/*Scenedesmus subspicatus*

hydrogen peroxide [CAS 7722-84-1]

Acute toxicity to fish LC₅₀ 16,4 mg/l/24h

Acute toxicity to aquatic invertebrates EC₅₀ 2,4 mg/l/48h

NOEC 0,63 mg/l

Toxicity to algae NOEC 0,63 mg/l

Toxicity to microorganisms EC₅₀ 466 mg/l

Toxicity of mixture

The product is not classified as hazardous in this class.

12.2 Persistence and degradability

Components of the mixture are easily biodegradable.

MATERIAL SAFETY DATA SHEET

Issued on: 05/04/2020 Rev.: 1.0/PL

12.3 Bioaccumulative potential

Bioaccumulation should not be expected.

12.4 Mobility in the soil

The product is mixed with water and spreads in an aquatic environment and is mobile in the soil. Mobility of the components of the mixture depends on their hydrophilic and hydrophobic properties and the abiotic and biotic conditions of the soil, including its structure, climatic conditions, season and soil organisms.

12.5 Results of PBT and vPvB assessment

Mixture components do not meet the criteria for PBT or vPvB according to Annex XIII of the REACH Regulation.

12.6 Other adverse effects

The mixture is not classified as hazardous to the ozone layer.

Section 13: Disposal considerations

13.1 Waste disposal methods

Recommendations concerning the mixture: Disposal must be made according to official regulations. Store the residue in the original containers. Do not mix with other waste. Give the product code at the place of its creation. The classification of the waste meets the criteria for hazardous waste.

Recommendations for used packaging: recovery / recycling / disposal of packaging waste
Disposal must be made according to official regulations. Only completely emptied packagings may be forwarded for recycling. Do not mix with other waste.

Community legislation: Directives of the European Parliament and of the Council: 2008/98/EC as amended and 94/62/EC as amended.

National legislation: (Journal of Laws 2013 item 21 as amended, Jol. 2013 item 888 Q as amended).

Section 14: Transport information

14.1 UN Number (ONZ number)

UN 1993

14.2 UN proper shipping name

LIQUID INFLAMMABLE MATERIAL O.N.D. [ETHANOL]

14.3 Transport hazard class(es)

3

14.4 Packaging group:

II

14.5 Environmentally hazardous product

The mixture does not pose a risk to the environment according to the criteria of the transport regulations

14.6 Special precautions for user

Wear personal protective equipment when handling cargo in accordance with section 8.

14.7 Transport in bulk according to Annex II of MARPOL73 and the IBC Code

Not applicable.



Section 15: Regulatory information

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

Act on chemical substances and their mixtures of 25 February 2011 *(Jo L 2011, no. 63, item 322 as amended). Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on maximum permissible concentration and intensity of agents harmful to health in the working environment (J oL No 2018, item 1286 as amended).
Act on waste of 14 December 2012 (J oL No 2013, item 21 as amended).

MATERIAL SAFETY DATA SHEET

Issued on: 05/04/2020 Rev.: 1.0/PL

Act of 13 June 2013 on management of packaging and packaging waste (J oL No 2013, item 888 as amended).
Regulation of the Minister of Climate of 02 January 2020 on the waste catalogue (Journal of Laws of 2020 item 10).

Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the working environment (Jo L 2011, no. 33, item 166 as amended).

European ADR Agreement concerning the international carriage of dangerous goods by road.

1907/2006/EC Regulation 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 No 1488/94 as well as Council Directive 76/769/EEC and Commission Directive 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

1272/2008/EC Regulation 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, as amended.

2015/830/ EC Commission regulation of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

2008/98/EC Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.

94/62/EC Directive of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste.

2016/425/EU Regulation of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Act of 09 October 2015 on biocide products (J. of Laws of 2015 item 1926).

528/2012/EC Regulation of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

15.2 Chemical Safety Assessment

The chemical safety assessment for the mixture is not required.

Section 16: Other information

The full text of H phrases quoted in section 3 of the sheet

H225	Highly flammable liquid and vapour.
H271	May cause fire or explosion; strong oxidizer
H272	May intensify fire; oxidizer.
H302 –	Harmful if swallowed
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318 –	Causes severe eye damage
H319	Causes serious eye irritation.
H332	Harmful if inhaled
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

PBT	Persistent, bioaccumulative and toxic substance
vPvB	Very durable and highly bioaccumulative
Flam. Liq. 2	Flammable liquid cat. 2
Eye Irrit. 2	Eye irritation cat. 2
STOT SE 3	Specific target organ toxicity - single exposure cat. 3
Ox. Liq. 1, 2	Liquid oxidizing agent cat.
Skin Corr. 1A, 1B	Caustic activity Cat. 1A, 1B
Acute Tox. 4 -	Acute Toxicity Cat. 4
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic hazard cat. 3
Skin Irrit. 2	Skin irritation cat. 2
Eye Dam. 1 –	Serious eye damage cat. 1
MAC	Maximum Allowable Concentration
MAC(STEL)	Maximum Allowable Concentration (Short-Term Exposure Limit)
MAC(C)	Maximum Allowable Concentration (Ceiling Limit)

MATERIAL SAFETY DATA SHEET

Issued on: 05/04/2020 Rev.: 1.0/PL

(BLV) Biological Limit Values
PNEC predicted no effect concentration
DNEL Derived no effect level

Training

Before working with the product, the user should familiarize himself with the principles of occupational health and safety regarding the handling of chemicals, and in particular he/she should receive appropriate training at the workplace. Persons involved in the transport of hazardous materials under the ADR Agreement should be adequately trained in their duties (general, workplace and safety training).

References to key literature and data sources

The data sheet has been developed on the basis of safety data sheets of components provided by the supplier, literature data, internet databases and knowledge and experience, taking into account current legal regulations.

Procedures used to classify a mixture

The classification was made on the basis of physicochemical properties and data on the content of hazardous components using a calculation method based on the guidelines of Regulation 1272/2008/EC (CLP), as amended.

Additional information:

Issued on: 05/04/2020
SDS prepared by: M.Sc. Ing. Dominika Gajewska (based on manufacturer's data) Version: 1.0/PL
SDS issued by: „**THETA**” Doradztwo Techniczne

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