

SAFETY DATA SHEET

In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended

Revision :	27.02.2020
VERSION	1.0/EN.

1 SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

**ITSEPTIC Hand disinfectant liquid
250 ml FR0109**

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

Identified uses: Liquid for hygienic hand disinfection. It shows virucidal properties.

SU22 Consumer uses

SU21 Professional uses

Uses advised against: No specific uses advised against are identified

1.3 Details of the supplier of the safety data sheet

Twinpol Sp. z o.o.

Al. Lipowa 48, 87-126 Obrowo, Poland

tel.: +48 604 377 357

Poland

www.twinpol.com

www.itseptic.com

Person responsible for the document: e-mail: info@twinpol.com

1.4 Emergency telephone number

Nationwide emergency telephones (8:00 – 16:00): +48 +13 27 841 500

PL: 112 (emergency telephone number). 998 (Fire Brigade), 999 (Medical Rescue Service),

2 SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical and chemical hazards:

This mixture does not present a physical hazard.

Health hazards

Flammable liquids, Hazard Category 2 [Flam. Liq. 2]

Highly flammable liquid and vapour. (H225)

Health hazards

Serious eye damage/eye irritation, Hazard Category 2 [Eye Irrit. 2]

Causes serious eye irritation (H319)

Environmental hazards:

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



GHS02

GHS07

Signal word: DANGER

Hazard statement(s)

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

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Precautionary statement(s)

Prevention:

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response:

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.

Disposal

P501 Dispose of contents / container to properly labeled containers in accordance with national regulations.

Labeling in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the council of 22 May 2012 concerning the making available on the market and use of biocidal products

Active substances: Ethanol content: 70g / 100g.

2.3 Other hazards

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Not applicable

3.2 Mixtures:

Substance identifier	Name of the substance	Weight fraction %	Classification in line with The Regulation (EC) No. 1272/2008		
			Signal Word Code(s)	Hazard Class and Category Code(s)	Hazard Statement Code(s)
CAS: 64-17-5 WE (EINECS): 200-578-6 Index: 603-002-00-5 REACH-Reg No: 01-2119457610-43-xxxx	<u>Ethanol</u> [1]	70	GHS02 GHS07 Dgr	Flam. Liq. 2 Eye Irrit. 2	H225 H319
CAS: 67-63-0 WE (EINECS): 200-661-7 Index: 603-117-00-0 REACH-Reg: 01-2119457558-25-xxxx	<u>Propan-2-ol</u> [1]	≤10	GHS02 GHS07 Wng	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336
CAS:56-81-5 WE (EINECS): 200-289-5 Index: REACH-Reg No:	<u>Glyceroll</u> [1]	≤10	_____	Not classified	_____

Full H phrases are specified in point 16 hereof

1 Substance with national exposure limit in the workplace [PL,GB]

4 SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact: Take off contaminated clothes. Wash contaminated skin thoroughly with water. Consult a doctor, if disturbing symptoms occur.

Eye contact: protect non-irritated eye, remove contact lenses. Rinse contaminated eyes with water for 10-15 minutes. Avoid strong stream of water – risk of damage of the cornea. Contact an ophthalmologist, if irritation occurs.

Ingestion: do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical advice if disturbing symptoms occur, show label or container.

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Inhalation: remove the victim to fresh air. Keep warm and calm. Consult a doctor, if disturbing symptoms occur

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

No adverse exposure effects other than those resulting from the product classification should be expected

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Symptomatic treatment.

5 **SECTION 5: FIREFIGHTING MEASURES**

5.1 **Extinguishing media**

Suitable extinguishing media:

Foam, powder, carbon dioxide, water in spray.

Unsuitable extinguishing media:

Water jet – risk of propagation of the flame.

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

In fire conditions, harmful gases may be released, containing, among others: carbon, nitrogen and sulphur oxides. Avoid inhalation of combustion products which may be harmful for health.

5.3 **Advice for firefighters**

Highly flammable. The security measures typical in case of fire. Do not stay in the danger zone without adequate fire-resistant clothing and chemical-contained breathing apparatus with independent air circulation Containers exposed to fire should be cooled from a safe distance with water spray jet. Do not allow extinguishing water entering drains, surface water and groundwater.

6 **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services. Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Avoid eyes contamination. Ensure adequate ventilation. Wear personal protective equipment. Do not inhale product vapours. Ensure that effects of the breakdown are removed only by qualified personnel.

6.2 **Environmental precautions**

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

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

Absorb leakage with incombustible liquid-binding material (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to appropriate waste disposal containers. Clean contaminated surface. Do not use sparking tools, do not smoke. Treat the collected material as waste.

6.4 **Reference to other sections**

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

7 **SECTION 7: HANDLING AND STORAGE**

7.1 **Precautions for safe handling**

Work in accordance with the principles of safety and hygiene. Do not drink, eat or smoke while handling the product. Avoid contact with eyes. Ensure adequate ventilation. Before the break and after work wash your hands. Eliminate sources of ignition - do not use open flames, no smoking, no sparking tools and clothing fabrics are susceptible to electrostatic. CAUTION: If substances are released, there is a danger of slipping.

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7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly sealed containers. Store in dry, cool and well ventilated place. Keep away from food, foodstuffs, animal feed and drinking water. Protect from heat, light and direct sunlight. Do not store with incompatible materials (see subsection 10.5)

7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2

8 SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Substances whose occupational exposure limits have to be monitored in the work environment:

PL: Propan-2-ol [67-63-0]			
NDS		900 mg/m ³	
NDSCh		1200 mg/m ³	
PL: Ethanol 64-17-5			
NDS		1900 mg/m ³	
PL: Glycerol - inhalable fraction [56-81-5]			
NDS		10 mg/m ³	
GB: Ethanol [64-17-5] [EH40/2005]			
TWA (8h)		STEL (15 minute)	
mg/m ³	ppm	mg/m ³	ppm
1000	1920	_____	_____
GB: Propan-2-ol [67-63-0] [EH40/2005]			
TWA (8h)		STEL (15 minute)	
mg/m ³	ppm	mg/m ³	ppm
999	400	1250	500
GB: Glycerol mist [56-81-5] [EH40/2005]			
TWA (8h)		STEL (15 minute)	
mg/m ³	ppm	mg/m ³	ppm
10	_____	_____	_____

Legal basis:

The Regulation of the Minister of Labour and Social Policy of June 12th, 2018 on maximal authorised concentrations and intensity of factors harmful to health in work environment (Dz. U. 2018 poz.1286)

The Regulation of the Minister of Health of 2 February 2011. On tests and measurements of health hazard factors in the work environment (Dz. U. No. 33, item. 166, 2011).

The Regulation of the Minister of Health of 30 December 2004. On occupational health and safety related to occurrence of chemical agents at work (Dz. U. No. 11, pos. 86, 2005).

EH40/2005 Workplace exposure limits Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002 (as amended)

DNEL PNEC

Ethanol (64-17-5)	
DNEL (WORKERS)	
Exposure - local inhalation	1900 mg / m ³
Long-term exposure - general effects skin	343 mg / kg body weight / day
Long-term exposure - general effects inhalation	206 mg /kg
DNEL / DMEL (General population)	
Long-term exposure - general effects, oral	87 mg / kg body weight / day
PNEC	
water (fresh water)	0.96 mg / l
marine water	0.76 mg / l

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Sediment (marine water)	2.9 mg / kg dw
Soil	0.63 mg / kg dw

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Observe the general safety and hygiene. During operation, do not eat, drink or smoke. Avoid contact with skin and eyes. Ensure good ventilation at work stations local and general ventilation - to ensure the maintenance of concentrations of hazardous components in the atmosphere below the exposure limit values. In case of worker being drench, showers and eye safety washers should be installed near the working place.

8.2.2 Individual protection measures, such as personal protective equipment

Respiratory system: Under normal conditions of use is not required. In case of insufficient ventilation, wear an approved respirator with a proper filter.

Personal protective equipment must meet requirements of directive 89/686/CE. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.

Hands and skin: Normally not necessary. Use protective gloves resistant to the product in case of prolonged or repeated exposure.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eyes: Use tightly fitting safety glasses or face protection if risk assessment indicates that it is necessary.

Hygiene at work: Apply general hygiene at work rules. After work, remove contaminated clothes and wash thoroughly the whole body. Wash your hands and face during breaks. Restrain from drinking and eating or smoking at work.

8.2.3 Environmental exposure controls

Avoid release to the environment, do not enter the sewage system. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid, transparent, clear
Colour:	Transparent, clear
Odour	Characteristic, alcoholic
Smell threshold	Information unavailable
pH	Information unavailable
Melting/ clotting point	Information unavailable
Initial boiling point and boiling range	Information unavailable
Flash point	≥20°C
Evaporation rate	Information unavailable
Flammability	Information unavailable
Upper/lower flammability or explosive limits;	Information unavailable
Vapour pressure	Information unavailable
Vapour density	Information unavailable
Relative density	0,8-0,85 g/cm ³
Solubility	Soluble in water
Partition coefficient: n-octanol/water	Information unavailable
Auto-ignition temperature	Information unavailable
Decomposition temperature	Information unavailable

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Viscosity	Information unavailable
Explosive properties	Not display
Oxidising properties	Not display
9.2 Other information	
Surface tension at 20 °C:	Non applicable
Refraction index:	Non applicable

10 SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Product is reactive. See also subsections 10.3 and 10.5

10.2 Chemical stability

The product is stable under normal conditions of handling and storage

10.3 Possibility of hazardous reactions

No potentially hazardous reactions known

10.4 Conditions to avoid

Avoid heat sources and direct exposure to sunlight.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous decomposition products

Not known.

11 SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity of components :

Ethanol [CAS 64-17-5]

LD50 (oral) 10,470 mg / kg bw

LD50 (skin) 15800 mg / kg bw

LC50 (inhalation) 30,000 mg / m³

LD50 (skin, rabbit): 13,900 mg / kg

LD50 (oral, rat): 5,840 mg / kg

LC50 (inhalation, rat): 25,000 mg / m³

Irritation/ corrosivity:

Skin: Based on available information, classification criteria are not met

Eyes: Causes serious eye irritation

Respiratory or skin sensitisation

Based on available information, classification criteria are not met

Germ cell mutagenicity

Based on available information, classification criteria are not met

Carcinogenicity

Based on available information, classification criteria are not met

Reproductive toxicity

Based on available information, classification criteria are not met

Specific target organ toxicity - single exposure

Based on available information, classification criteria are not met

Specific target organ toxicity - repeated exposure

Based on available information, classification criteria are not met

Aspiration hazard

Based on available information, classification criteria are not met

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin contact: Mixture may cause dryness of skin

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Eye contact: Redness, tearing, mild irritation

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of components

Ethanol [CAS 64-17-5]

Toxicity to fish: LC50 11200 mg / L / 24h / Oncorhynchus mykiss

Toxicity to daphnia: EC50 5012 mg / L / 48hC / Ceriodaphnia dubia

EC50 857 mg / L / 48h / Artemia salina

Toxicity to algae: EC50 275 mg / L / 72h / Chlorella vulgaris

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use

12.2 Persistence and degradability

Ethanol: biodegradability > 70%, Readily biodegradable, 5 days

12.3 Bioaccumulative potential

For mixtures not specified

12.4 Mobility in soil

The mobility of the substance depends on their hydrophilic and hydrophobic properties and abiotic and biotic conditions of soil, including its structures, climatic conditions, seasons (in Poland, in a variable moderate climate) and soil organisms, mainly (bacteria, fungi, algae, invertebrates).

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. There should be considered the possibility of other harmful effects of the individual components of the mixture on the environment. (eg. the ability of disrupting endocrine, the impact of global warming potential).

13 SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal methods for the mixture: do not deposit with household waste. Disposal in accordance with the local legislation. Waste code should be assigned in place of formation.

Disposal methods for used packing: reuse/recycling/liquidation of empty containers dispose in accordance with the local legislation. Containers contaminated with product residues should be treated in the same way as the product. Only containers completely emptied can be reused.

Legal basis: Directive 2008/98/EC, 94/62/EC.

14 SECTION 14: TRANSPORT INFORMATION



14.1 UN number

ADR/RID : 1993

IMDG:1993

IATA :1993

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14.2 UN proper shipping name

ADR/RID: FLAMMABLE LIQUID, N.O.S. [Ethanol]

IMGD: FLAMMABLE LIQUID, N.O.S. [Ethanol]

IATA: FLAMMABLE LIQUID, N.O.S. [Ethanol]

14.3 Transport hazard class (es)

ADR/IMGD/IATA: 3

Classification Code: F1

Labels: 3

14.4 Packing group

ADR/IMGD/IATA: II

14.5 Environmental hazards

This product is not a threat to the environment

14.6 Special precautions for user

ADR Regulated

Tunnel restriction code: D/E

Transport category: 2 limited 333 kg

Limited Quantity: 1 L

IMGD Regulated:

EmS: F-E,S-D

Stowage and Segregation: Category B

LQ: 1L

IATA Regulated:

LTD QTY packing

instruction: Y341

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

Inapplicable

15 SECTION 15: REGULATORY INFORMATION

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

Other legislation:

1. **1907/2006/EC** Regulation on 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
2. **1272/2008/EC** of the 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 Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No 1907/2006.
3. **2018/669/UE** Commission Regulation (EU) 2018/669 of 16 April 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures Text with EEA relevance.
4. **790/2009/EC** of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
5. **2008/98/EC** Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives
6. **94/62/EC** Commission Directive 2013/2/EU of 7 February 2013; amending Annex I to Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste
7. **2015/830/EU** Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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8. **2013/10/EU** Commission Directive of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures Text with EEA relevance
9. European Agreement Concerning the International Carriage of Dangerous Goods by Road 2019-2021
- 15.2 **Chemical safety assessment**
The supplier has not assessed chemical safety It is not required for the mixture.

16 SECTION 16: OTHER INFORMATION

Other sources of information:

IUCLID Data Bank (European Commission – European Chemicals Bureau).

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product **E5 Polska Sp. z o.o.** not be held liable for any damage resulting from handling or from contact with the above product

The card has been developed on the basis of an ingredient safety data sheet, literature data, online databases (e.g. ECHA, TOXNET, COSING) and the knowledge and experience I have

H (hazard) phrases specified in point 2 and 3 hereof:

H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Explanation of returns

CEN	European Committee for Standardisation
C&L	Classification and Labelling
CLP	Classification Labelling Packaging Regulation ; Regulation (EC) No 1272/2008
CAS	Chemical Abstracts Service number
COM	European Commission
CMR	Carcinogen, Mutagen, or Reproductive Toxicant
CSA	Chemical Safety Assessment
CSR C	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
DPD	Dangerous Preparation Directive 1999/45/EEC
DSD	Dangerous Substances Directive 67/548/EEC
EC	European Commission
EC ₅₀	Half maximal effective concentration
ECB	European Chemicals Bureau Europejskie
ECHA	European Chemicals Agency
EC	Number EINECS and ELINCS Number (see also EINECS and ELINCS)
EINECS	European Inventory of Existing Commercial Substances
ELINCS	European List of notified Chemical Substances
EN	European Standard
EU	European Union

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GHS	Globally Harmonized System
IC ₅₀	Half maximal inhibitory concentration
IUCLID	International Uniform Chemical Information Database
IUPAC	International Union for Pure Applied Chemistry
LC ₅₀	Lethal concentration, 50 %
LD ₅₀	Median Lethal Dose
MSDS	Material Safety Data Sheet
PBT	Persistent, Bioaccumulative and Toxic substance
PEC	PEC Predicted Effect Concentration
PNEC(s)	Predicted No Effect Concentration(s)
PPE	Personal Protection Equipment
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
SIEF	Substance Information Exchange Forum
STOT	Specific Target Organ Toxicity
(STOT) RE	Repeated Exposure
(STOT) SE	Single Exposure
SVHC	Substances of Very High Concern
vPvB	Very Persistent and Very Bioaccumulative

Training

Prior to working with the product you should be familiar with safety rules for handling the chemicals, in particular take proper workplace training.