

S A F E T Y D A T A S H E E T

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

Hand Desinfect E

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

1.1. Product identifier

Product name	Hand Desinfect E
Product code	15867.0003.003/133447
UFI	D9CC-T8AA-KRF7-X55X

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

Use of the Substance/Mixture	Disinfectants and general biocidal products
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1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification	Steinfels Swiss Division der Coop Genossenschaft St. Gallerstrasse 180 CH-8404 Winterthur Tel : 052 234 44 00 Fax : 052 234 44 01 info@steinfels-swiss.ch
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1.4. Emergency telephone number	145 (Tox Info Suisse)
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Version	1
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Cat. 2, H225

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word

Danger

Hazard Statements

H225: Highly flammable liquid and vapour.

Precautionary statements

P102: Keep out of reach of children.
P210b: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents / partially emptied container to hazardous waste. Empty container to be disposed of as municipal waste.

Supplemental information

None.

Product identifier

None.

Packaging

Tactile warning of danger (EN/ISO 11683).

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Components		CLP Classification	Product identifier
Ethanol; Ethyl alcohol	50% - 75%	Flam. Liq. 2 H225	CAS-No.: 64-17-5 EC-No.: 200-578-6 Index-No: 603-002-00-5

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities

None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air. Consult a physician for severe cases.
Skin contact	Wash hands with water as a precaution.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If easy to do, remove contact lens, if worn. If eye irritation persists, consult a specialist.
Ingestion	Rinse mouth. Do not induce vomiting. Drink water as a precaution. Consult a physician if necessary.

4.2. Most important symptoms and effects, both acute and delayed First aider needs to protect himself. Move out of dangerous area. Take off contaminated clothing and shoes immediately. If you feel unwell, seek medical advice (show the label where possible).

4.3. Indication of any immediate medical attention and special treatment needed None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use dry chemical, CO₂, water spray or alcohol foam.

Extinguishing media which must not be used for safety reasons High volume water jet.

5.2. Special hazards arising from the substance or mixture Cool containers / tanks with water spray. Solvents may produce excessive pressure under fire-conditions. Sealed containers may rupture and ignite. Burning produces irritant fumes. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

5.3. Advice for firefighters

Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes. Complete suit protecting against chemicals.

Specific methods Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water mist may be used to cool closed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel Use personal protective equipment. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback.

Advice for emergency responders Handle in accordance with good industrial hygiene and safety practice.

6.2. Environmental precautions Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable and closed containers for disposal (Plastic container of HDPE). After cleaning, flush away traces with water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling When using, do not eat, drink or smoke. Ingestion and prolonged exposure to skin and eyes should be avoided, as should inhalation of any generated vapours. Provide sufficient air exchange and/or exhaust in work rooms. Keep away from heat and sources of ignition. Vapours are heavier than air and may spread along floors. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

7.2. Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight.

7.3. Specific end use(s) No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) No data is available on the product itself.

Ethanol; Ethyl alcohol (CAS 64-17-5)

Switzerland - Occupational Exposure Limits - Developmental Risk Groups

Switzerland - Occupational Exposure Limits - TWAs - (MAKs) 500 ppm TWA [MAK]
960 mg/m³ TWA [MAK]
Switzerland - Occupational Exposure Limits - STELs - (KZGWs) 1000 ppm STEL [KZGW]
1920 mg/m³ STEL [KZGW]

Austria - Occupational Exposure Limits - STELs - (MAK-KZGWs) 2000 ppm STEL [KZGW] (3 X 60 min)
3800 mg/m³ STEL [KZGW] (3 X 60 min)
Austria - Occupational Exposure 1000 ppm TWA [TMW]

Limits - TWAs - (MAK-TMWs)	1900 mg/m ³ TWA [TMW]
Germany - DFG - Recommended Exposure Limits - Mutagens	Category 5 (Germ cell mutagens or suspected substances (according to the definition of Category 3A and 3B), the potency which is considered to be so low that, provided the MAK value is observed, their contribution to genetic risk for man is expected not to be significant)
Germany - DFG - Recommended Exposure Limits - TWAs (MAKs)	200 ppm TWA MAK
Germany - DFG - Recommended Exposure Limits - Ceilings (Peak Limitations)	380 mg/m ³ TWA MAK
Germany - DFG - Recommended Exposure Limits - Carcinogens	800 ppm Peak
Germany - DFG - Recommended Exposure Limits - Pregnancy	1520 mg/m ³ Peak
Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	Category 5 (low carcinogenic potency)
	no risk to embryo/fetus if exposure limits adhered to
	200 ppm TWA AGW (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 4)
	380 mg/m ³ TWA AGW (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 4)

8.2. Exposure controls

Appropriate engineering controls Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product. Do not smoke.

Personal protection equipment

Respiratory protection In case of good ventilation no personal respiratory protective equipment required. Breathing apparatus needed only when aerosol or mist is formed.

Hand protection The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Eye protection Safety glasses with side-shields.

Skin and body protection Impervious clothing. Remove and wash contaminated clothing before re-use.

Thermal hazards No special measures required.

Environmental exposure controls No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid.

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Colour	Colourless.
Odour	Alcoholic.
Melting point/ freezing point:	- 110 °C
Boiling point or initial boiling point / range:	79 °C
Flammability:	Not determined.
Lower and upper explosion limit:	Not determined.
Flash point:	20
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH:	7.6
Kinematic viscosity:	Not determined.
Solubility:	completely soluble (Water)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	0.858
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

Other safety characteristics	No information available.
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SECTION 10: Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if stored and applied as directed.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Extremes of temperature and direct sunlight. Take precautionary measures against static discharges. Vapour/air-mixtures are explosive at intense warming. Spray mist may be flammable at temperatures below the flash point of the solvents.
10.5. Incompatible materials	Incompatible with strong acids and oxidizing agents.
10.6. Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapours.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	This product has no known adverse effect on human health. Ethanol; Ethyl alcohol (CAS 64-17-5) Inhalation LC50 Rat = 116.9 mg/L 4 h(ECHA_API) Inhalation LC50 Rat = 133.8 mg/L 4 h(ECHA_API) Oral LD50 Rat = 7060 mg/kg (NLM_CIP)
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Skin corrosion/irritation	No skin irritation.
Serious eye damage/eye irritation	Contact with eyes may cause irritation.
Respiratory / Skin Sensitisation	No data available.
Carcinogenicity	No data available.
Germ cell mutagenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

11.2. Information on other hazards

Other information	No data available.
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SECTION 12: Ecological information

12.1. Toxicity	No data available.
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Ethanol; Ethyl alcohol (CAS 64-17-5)

Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L [static] (EPA) LC50 96 h Pimephales promelas >100 mg/L [static] (EPA) LC50 96 h Pimephales promelas 13400 - 15100 mg/L [flow-through] (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data	LC50 48 h Daphnia magna 9268 - 14221 mg/L (IUCLID) EC50 48 h Daphnia magna 2 mg/L [Static] (EPA)
Ecotoxicity - Earthworm - Acute Toxicity Data	LC50 48 h Eisenia foetida 0.1 - 1 mg/cm ² [filter paper] (IUCLID)

12.2. Persistence and degradability	Readily biodegradable, according to appropriate OECD test.
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12.3. Bioaccumulative potential	No data available.
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12.4. Mobility in soil	No data available.
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12.5. Results of PBT and vPvB assessment	No information available.
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12.6. Endocrine disrupting properties	No information available.
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12.7. Other adverse effects	No information available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Dispose of as special waste in compliance with local and national regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1. UN number or ID number	UN 1170
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es)	3
14.4. Packing group	II
14.5. Environmental hazards	Marine pollutant: No.
14.6. Special precautions for user	Not applicable.
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.
UN Model Regulations	
ADR/RID	UN 1170. Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION). Class 3. Packing group II. ADR/RID-Labels 3. Classification code F1. Hazard identification no. 33. Limited quantity 1 L. Excepted quantity E2. Transport category 2. Tunnel restriction code (D/E).

IMDG	UN 1170. Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION). Class 3. Packing group II. IMDG-Labels 3. Limited quantity 1 L. Excepted quantity E2. EmS F-E, S-D. Marine pollutant: Marine pollutant: No..
IATA	UN 1170. Proper shipping name: Ethanol solution (Ethyl alcohol solution). Class 3. Packing group II. IATA label 3. Packing instruction (passenger aircraft): 353 (5 L). Packing instruction (LQ): Y341 (1 L). Packing instruction (cargo aircraft): 364 (60 L).
Inland navigation ADN	UN 1170. Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION). Class 3. Packing group II. ADN labels 3. Classification code F1. Limited quantity 1 L. Excepted quantity E2.
Further Information	None.

SECTION 15: Regulatory information

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

Regulatory Information	Ingredients according to Regulation (EC) 648/2004/EC: <5%: Active substance disinfectants Water contaminating class (WGK Germany) = 1. VOC (CH) = 74.95175037
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Ethanol; Ethyl alcohol (CAS 64-17-5)

TEDX (The Endocrine Disruption Exchange) - Potential Endocrine Disruptors Switzerland - Volatile Organic Compounds (VOCs) - Group I Switzerland - Air Pollution Control - Organic Substances - Gases, Vapors or Particulates EU - Biocides (2007/565/EC) - Substances and Product-Types Not to Be Included in Annexes I, IA and IB to Directive 98/8/EC EU - Biocides (1062/2014) - Annex II Part 1 - Supported Substances	Present present (as long as it deals with distilled spirits, that does not serve for drinking and consumption purposes) Category Class 3 Product type: 3 036 Product type 1, 2, 4 (200-578-6)
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EU - REACH (1907/2006) - List of Registered Substances Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Present Reg. no. 96, hazard class 1 - slightly hazardous to water (footnote 3)
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15.2. Chemical safety assessment	Not required.
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SECTION 16: Other information

Key or legend to abbreviations and acronyms	None.
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Classification procedure	Calculation method.
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Full text of phrases referred to under sections 2 and 3	H225: Highly flammable liquid and vapour.
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Further information	Take notice of the directions of use on the label.
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Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.
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