

Trade name: Hänseler Desinfect Hände

Substance number: 027250

Version: 4 / CH

Date revised: 12.06.2025

Replaces Version: 3 / CH

Print date: 12.06.25

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

### **1.1. Product identifier**

Hänseler Desinfect Hände

Item No. 02725000

### **Substance / product identification**

UFI REVE-6U0V-M704-ESGK

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

#### **Use of the substance/preparation**

Disinfectant

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible  
for this SDS

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

#### **Classification (Regulation (EC) No. 1272/2008)**

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

Flam. Liq. 2 H225

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

#### **Hazard pictograms**



#### **Signal word**

Danger

#### **Hazard statements**

H225 Highly flammable liquid and vapour.

#### **Precautionary statements**

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

P243 Take action to prevent static discharges.



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P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P501.3 Disposal in compliance with local and national regulations.

### 2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients \*\*\*

### 3.2. Mixtures

#### Chemical characterization

Alcoholic solution

#### Further ingredients \*\*\*

##### ethanol

|  |                       |    |      |  |   |
|--|-----------------------|----|------|--|---|
| CAS No.  | 64-17-5               |    |      |  |   |
| EINECS no.                                     | 200-578-6             |    |      |  |   |
| Registration no.                               | 01-2119457610-43-0098 |    |      |  |   |
| Concentration                                  |                       | >= | 50   |  | % |
| Advice: [4]                                    |                       |    |      |  |   |
| Classification (Regulation (EC) No. 1272/2008) |                       |    |      |  |   |
|  | Flam. Liq. 2          |    | H225 |  |   |

##### water

|               |           |    |    |   |      |
|---------------|-----------|----|----|---|------|
| CAS No.       | 7732-18-5 |    |    |   |      |
| EINECS no.    | 231-791-2 |    |    |   |      |
| Concentration |           | >= | 25 | < | 50 % |
| Advice: [4]   |           |    |    |   |      |

##### Glycerol

|                  |           |   |   |  |   |
|------------------|-----------|---|---|--|---|
| CAS No.          | 56-81-5   |   |   |  |   |
| EINECS no.       | 200-289-5 |   |   |  |   |
| Registration no. | EXCEMPT   |   |   |  |   |
| Concentration    |           | < | 1 |  | % |
| Advice: [4]      |           |   |   |  |   |

##### Bornan-2-one

|  |                       |   |   |  |   |
|--|-----------------------|---|---|--|---|
| CAS No.  | 76-22-2               |   |   |  |   |
| EINECS no.                                     | 200-945-0             |   |   |  |   |
| Registration no.                               | 01-2119966156-31-XXXX |   |   |  |   |
| Concentration                                  |                       | < | 1 |  | % |
| Advice: [4]                                    |                       |   |   |  |   |
| Classification (Regulation (EC) No. 1272/2008) |                       |   |   |  |   |

|               |      |
|---------------|------|
| Flam. Sol. 1  | H228 |
| Acute Tox. 4  | H302 |
| Acute Tox. 4  | H332 |
| Skin Irrit. 2 | H315 |
| Eye Dam. 1    | H318 |
| STOT SE 2     | H371 |

Lungs; Route of exposure:  
inhalative



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**Note**

[4] Voluntary information

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment. Irregular breathing/no breathing: artificial respiration.

**After skin contact**

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

**After ingestion**

Consult a physician if necessary. Rinse out mouth and give plenty of water to drink.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Carbon dioxide, Alcohol-resistant foam, Dry powder, Extinguishing measures to suit surroundings

**Non suitable extinguishing media**

Full water jet

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

In the event of a fire, toxic and combustible gases can be formed. In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Wear full protective suit. Use self-contained breathing apparatus.

**Other information**

Cool endangered containers with water spray jet.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Remove persons to safety. Keep away sources of ignition.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal. Clean up affected area.

**SECTION 7: Handling and storage**



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**7.1. Precautions for safe handling****Advice on safe handling**

Keep away from heat and sources of ignition. Take action to prevent static discharges.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated.

**Storage classes**

|                                     |   |                  |
|-------------------------------------|---|------------------|
| Storage class according to TRGS 510 | 3 | Flammable liquid |
| Storage category (Switzerland)      | 3 | Flammable liquid |

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limit values****ethanol**

|  |      |                   |      |        |
|--|------|-------------------|------|--------|
| List   | SUVA |                   |      |        |
| Type   | MAK  |                   |      |        |
| Value  | 960  | mg/m <sup>3</sup> | 500  | ppm(V) |
| Short term exposure limit                            | 1920 | mg/m <sup>3</sup> | 1000 | ppm(V) |
| Pregnancy group: S; Remarks: SSs; Formal; INRS NIOSH |      |                   |      |        |

**Derived No/Minimal Effect Levels (DNEL/DMEL)****ethanol**

|                      |                                |  |  |         |
|----------------------|--------------------------------|--|--|---------|
| Type of value        | Derived No Effect Level (DNEL) |  |  |         |
| Reference group      | Worker                         |  |  |         |
| Duration of exposure | Long term                      |  |  |         |
| Route of exposure    | dermal                         |  |  |         |
| Mode of action       | Systemic effects               |  |  |         |
| Concentration        | 343                            |  |  | mg/kg/d |

|                      |                                |  |  |                   |
|----------------------|--------------------------------|--|--|-------------------|
| Type of value        | Derived No Effect Level (DNEL) |  |  |                   |
| Reference group      | Worker                         |  |  |                   |
| Duration of exposure | Long term                      |  |  |                   |
| Route of exposure    | inhalative                     |  |  |                   |
| Mode of action       | Systemic effects               |  |  |                   |
| Concentration        | 950                            |  |  | mg/m <sup>3</sup> |

**Predicted No Effect Concentration (PNEC)****ethanol**

|               |            |  |  |      |
|---------------|------------|--|--|------|
| Type of value | PNEC       |  |  |      |
| Type          | Freshwater |  |  |      |
| Conditions    | Long term  |  |  |      |
| Concentration | 0.96       |  |  | mg/l |

|               |           |  |  |      |
|---------------|-----------|--|--|------|
| Type of value | PNEC      |  |  |      |
| Type          | Saltwater |  |  |      |
| Concentration | 0.79      |  |  | mg/l |

|               |                     |  |  |       |
|---------------|---------------------|--|--|-------|
| Type of value | PNEC                |  |  |       |
| Type          | Freshwater sediment |  |  |       |
| Concentration | 3.6                 |  |  | mg/kg |



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|               |                              |       |
|---------------|------------------------------|-------|
| Type of value | PNEC                         |       |
| Type          | Marine sediment              |       |
| Concentration | 2.9                          | mg/kg |
| Type of value | PNEC                         |       |
| Type          | Freshwater                   |       |
| Conditions    | Intermittend                 |       |
| Concentration | 2.75                         | mg/l  |
| Type of value | PNEC                         |       |
| Type          | Sewage treatment plant (STP) |       |
| Concentration | 580                          | mg/l  |

## 8.2. Exposure controls

### General protective and hygiene measures

Avoid any contact with the body. Observe the usual precautions for handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. Hold eye wash fountain available. Hold emergency shower available. Wash thoroughly after work. Take off immediately all contaminated clothing.

### Respiratory protection

necessary; Do not breathe vapours, dust or aerosol. Provide adequate ventilation.

### Hand protection

Appropriate Material                      Gloves / resistant to chemicals

### Eye protection

Tightly fitting safety glasses

### Body protection

Fire-resistant protective clothing

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Boiling point or initial boiling point and boiling range

|        |                       |    |
|--------|-----------------------|----|
| Value  | > 78                  | °C |
| Source | GESTIS-Stoffdatenbank |    |

#### Flash point

|        |                       |    |    |    |
|--------|-----------------------|----|----|----|
| Value  | 21                    | to | 22 | °C |
| Source | GESTIS-Stoffdatenbank |    |    |    |

#### Vapour pressure

|        |                       |     |
|--------|-----------------------|-----|
| Value  | < 5.8                 | kPa |
| Source | GESTIS-Stoffdatenbank |     |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Formation of explosive gas/air mixtures.

### 10.2. Chemical stability

No decomposition if stored and applied as directed.

### 10.3. Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

### 10.4. Conditions to avoid



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Heat

**10.5. Incompatible materials**

Alkaline metals, Ammonia, peroxides, Oxidising agents

**10.6. Hazardous decomposition products**

In the event of fire the following can be released: Carbon monoxide, Carbon dioxide, Hazardous decomposition products: Flammable gases/vapours

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****ethanol**

|         |  |       |
|---------|--|-------|
| Species | rat  |       |
| LD50    | 7060   | mg/kg |
| Source  | Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970. |       |

**ethanol**

|         |       |       |
|---------|-------|-------|
| Species | rat   |       |
| LD50    | 10470 | mg/kg |

**Bornan-2-one**

|         |       |       |
|---------|-------|-------|
| Species | mouse |       |
| LD50    | 1310  | mg/kg |

**Glycerol**

|         |       |       |
|---------|-------|-------|
| Species | rat   |       |
| LD50    | 12600 | mg/kg |

**Glycerol**

|         |      |       |
|---------|------|-------|
| Species | rat  |       |
| NOAEL   | 1310 | mg/kg |

**Glycerol**

|         |       |       |
|---------|-------|-------|
| Species | rat   |       |
| LD50    | 27200 | mg/kg |

**Acute dermal toxicity (Components)****ethanol**

|         |        |       |
|---------|--------|-------|
| Species | rabbit |       |
| LD50    | 15800  | mg/kg |

**ethanol**

|       |      |       |
|-------|------|-------|
| NOAEL | 8232 | mg/kg |
|-------|------|-------|

**Bornan-2-one**

|         |        |       |
|---------|--------|-------|
| Species | rabbit |       |
| LD50    | > 5000 | mg/kg |

**Glycerol**

|         |            |       |
|---------|------------|-------|
| Species | guinea pig |       |
| LD50    | 56750      | mg/kg |

**Acute inhalative toxicity (Components)****ethanol**

|                      |        |                   |
|----------------------|--------|-------------------|
| Species              | rat    |                   |
| LC50                 | 30000  | mg/m <sup>3</sup> |
| Duration of exposure | 4      | h                 |
| Administration/Form  | Vapors |                   |

**Bornan-2-one**

|      |     |      |
|------|-----|------|
| LC50 | 1.5 | mg/l |
|------|-----|------|



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**Glycerol**

Remarks No data available

**Skin corrosion/irritation (Components)****ethanol**

evaluation non-irritant

**Glycerol**

Species rabbit

Duration of exposure 24 h

evaluation slightly irritant

**Serious eye damage/irritation**

Remarks Eye contact with the product may lead to irritation.

**Serious eye damage/irritation (Components)****ethanol**

evaluation irritant

**Glycerol**

Species rabbit

Duration of exposure 24 h

evaluation slightly irritant

**Sensitization (Components)****ethanol**

evaluation non-sensitizing

**Glycerol**

Remarks No data available.

**Subacute, subchronic, chronic toxicity (Components)****Glycerol**

Remarks No data available.

**Mutagenicity (Components)****ethanol**

evaluation No mutagenicity in the Ames-test.

**Glycerol**evaluation No experimental information on genotoxicity in vitro available.  
Method OECD 471**Glycerol**evaluation No experimental information on genotoxicity in vitro available.  
Method OECD 476**Reproduction toxicity (Components)****Glycerol**

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

**Carcinogenicity (Components)****Glycerol**

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

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**Experience in practice**

The solvent vapours cause an irritating effect to the respiratory organs. Causes disorders of the central



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nervous system and can cause headache, respiratory difficulties or unconsciousness. Causes a numb feeling. Liver damage is possible.

**Other information**

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

Product specific toxicological data are not known.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****Fish toxicity (Components)****ethanol**

|                      |                                       |   |      |
|----------------------|---------------------------------------|---|------|
| Species              | golden orfe ( <i>Leuciscus idus</i> ) |   |      |
| LC50                 | 8140                                  |   | mg/l |
| Duration of exposure | 96                                    | h |      |

**Bornan-2-one**

|                      |    |   |      |
|----------------------|----|---|------|
| LC50                 | 35 |   | mg/l |
| Duration of exposure | 96 | h |      |

**Glycerol**

|                      |       |   |      |
|----------------------|-------|---|------|
| Medi an              | 68100 |   | mg/l |
| Duration of exposure | 96    | h |      |

**Glycerol**

|                      |  |   |     |
|----------------------|--|---|-----|
| Species              | rainbow trout ( <i>Oncorhynchus mykiss</i> ) |   |     |
| LC50                 | 54   |   | g/l |
| Duration of exposure | 96   | h |     |

**Daphnia toxicity (Components)****ethanol**

|                      |               |    |            |
|----------------------|---------------|----|------------|
| Species              | Daphnia magna |    |            |
| EC50                 | 9000          | to | 14000 mg/l |
| Duration of exposure | 48            | h  |            |

**Glycerol**

|                      |         |   |     |
|----------------------|---------|---|-----|
| Species              | Daphnia |   |     |
| EC50                 | > 10    |   | g/l |
| Duration of exposure | 24      | h |     |

**Glycerol**

|                      |         |   |      |
|----------------------|---------|---|------|
| Species              | Daphnia |   |      |
| LC50                 | 1955    |   | mg/l |
| Duration of exposure | 48      | h |      |

**Bacteria toxicity (Components)****Glycerol**

|                      |                    |   |     |
|----------------------|--------------------|---|-----|
| Species              | Pseudomonas putida |   |     |
| EC5                  | > 10               |   | g/l |
| Duration of exposure | 16                 | h |     |

**12.2. Persistence and degradability****Biodegradability (Components)****ethanol**

|            |                       |   |
|------------|-----------------------|---|
| Value      | 94                    | % |
| evaluation | Readily biodegradable |   |

**Glycerol**

|            |                       |
|------------|-----------------------|
| evaluation | Readily biodegradable |
|------------|-----------------------|



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**Chemical oxygen demand (COD) (Components)**

ethanol

Value 0.93 to 1.67 mg/g

**12.3. Bioaccumulative potential****General information**

For this subsection there is no ecotoxicological data available on the product as such.

**Octanol/water partition coefficient (log Pow) (Components)**

ethanol

log Pow -0.31

Glycerol

log Pow -1.76

Source GESTIS-Stoffdatenbank

**Bioconcentration factor (BCF) (Components)**

ethanol

BCF 0.66

**12.4. Mobility in soil****General information**

For this subsection there is no ecotoxicological data available on the product as such.

**Mobility in soil (Components)**

Glycerol

Slightly mobile in soils

**12.5. Results of PBT and vPvB assessment****General information**

For this subsection there is no ecotoxicological data available on the product as such.

**Results of PBT and vPvB assessment \*\*\***

The product contains no PBT substances

The product contains no vPvB substances.

**Results of PBT and vPvB assessment (Ingredients)**

ethanol

The Substance doesn't meets PBT/vPvB-criteria

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****General information**

For this subsection there is no ecotoxicological data available on the product as such.

**General information / ecology**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**



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**Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

Dispose of as unused product.

**SECTION 14: Transport information \*\*\***

|                                  | Land transport ADR/RID<br>***   | Marine transport<br>IMDG/GGVSee ***  | Air transport<br>ICAO/IATA ***  |
|----------------------------------|---|--|---|
| Tunnel restriction code          | D/E   |  |   |
| 14.1. UN number                  | 1170  | 1170   | 1170  |
| 14.2. UN proper shipping name    | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ethanol)                                 | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ethanol)                                  | ETHANOL SOLUTION (ethanol)  |
| 14.3. Transport hazard class(es) | 3   | 3  | 3   |
| Label                            |  |  |  |
| 14.4. Packing group              | II  | II   | II  |
| Limited Quantity                 | 1 I   |  |   |
| Transport category               | 2   |  |   |

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H225 Highly flammable liquid and vapour.

**CLP categories listed in Chapter 3**

Flam. Liq. 2 Flammable liquid, Category 2

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
 This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.