

Safety data sheet
selon OChim 2015 – RS 813.11

Printing date 26.09.2025

Version number 1

Revision: 26.09.2025

SECTION 1: Identification de la substance/de la préparation et de la société/l'entreprise

- **1.1 Product identifier**
- **Trade name:** MANISAFE Gel
- **Additional trade name:**
- **Article number:** OFSP/BAG: CHZN1189
- **UFI:** JTRR-E29K-PF2G-DTNQ
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
User category: Professional & Private User
- **Application of the substance / the mixture** Hand disinfectant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Dentimed Sàrl
Chemin du Croset 9/C
1024 Ecublens
Suisse
Tél : +41 21 861 38 73
www.dentimed.ch
- **Further information obtainable from:** Product Safety Department Dentimed Sarl Tel : +41 21 861 38 73
- **1.4 Emergency telephone number:**
Swiss Toxicological Information Center - Telephone 044 251 51 51 - Emergency numbers of CSIT: 145

SECTION 2: Hazards identification

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



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02

- **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.
P233	Keep container tightly closed.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378	In case of fire: Use CO2, powder or water spray to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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Trade name: MANISAFE Gel· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 64-17-5	ethanol	50-100%
EINECS: 200-578-6	⚠ Flam. Liq. 2, H225	
CAS: 67-63-0	propan-2-ol	≥2.5-<10%
EINECS: 200-661-7	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**· **General information:** No special measures required.· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** If skin irritation continues, consult a doctor.· **After eye contact:** Rinse opened eye for several minutes under running water.· **After swallowing:**

Rinse mouth with water.

Do not induce vomiting



consult doctor

· **Information for doctor:** Aspiration into the lungs can cause chemical pneumonitis.· **4.2 Most important symptoms and effects, both acute and delayed**

Headache

sickliness

drunkenness

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

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**· **Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.· **5.3 Advice for firefighters**· **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

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

Keep away from ignition sources.

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Ensure adequate ventilation



Wear protective equipment. Keep unprotected persons away.

- **6.2 Environmental precautions:**

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Dispose of contaminated materials as waste according to point 13.

- **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Open and handle receptacle with care.

Avoid contact with eyes.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

- **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Danger of explosion if fluid enters the sewage system.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in an explosion-proof area.

Unsuitable material for receptacle: aluminium.

- **Information about storage in one common storage facility:**

Do not store together with oxidising and acidic materials.

- **Further information about storage conditions:**

Keep container tightly sealed.

This product is hygroscopic.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

- **Recommended storage temperature:** Between +5°C and +25°C

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Additional information about design of technical facilities:** No further data; see section 7.

- **Ingredients with limit values that require monitoring at the workplace:**

64-17-5 ethanol (50-100%)	
MAK (Switzerland)	Short-term value: 1920 mg/m ³ , 1000 ppm Long-term value: 960 mg/m ³ , 500 ppm C1a R1a SSC;

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67-63-0 propan-2-ol (≥2.5-<10%)

MAK (Switzerland)	Short-term value: 1000 mg/m ³ , 400 ppm Long-term value: 500 mg/m ³ , 200 ppm B SSc;
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· **DNELs****64-17-5 ethanol**

Oral	DNEL, Long term, Workers	343 mg/kg p.c./jour (systemic effects)
	DNEL, Long term, Consumers	87 mg/kg p.c./jour (systemic effects)
Dermal	DNEL, Long term, Workers	343 mg/kg p.c./jour (systemic effects)
	DNEL, Long term, Consumers	206 mg/kg p.c./jour (systemic effects)
Inhalative	DNEL, Long term, Workers	950 mg/m ³ (systemic effects)
	DNEL, Long term, Consumers	114 mg/m ³ (systemic effects)
	DNEL, Acute, Workers	1,900 mg/m ³ (local effects)
	DNEL, Acute, Consumers	950 mg/m ³ (local effects)

· **PNECs****64-17-5 ethanol**

Fresh water	0.96 mg/l
Sea water	0.79 mg/l
Intermittent release	2.75 mg/l
STP	580 mg/l
Sediment (freshwater)	3.6 mg/kg
Sediment (seawater)	2.9 mg/kg
Ground	0.63 mg/kg
Secondary poisoning	380 mg/kg aliment

· **Ingredients with biological limit values:****67-63-0 propan-2-ol (≥2.5-<10%)**

BAT (Switzerland)	25 mg/l
	U
	b
	Aceton
	25 mg/l
	B
	b
	Aceton

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Do not inhale gases / fumes / aerosols.

Do not eat, drink, smoke or sniff while working.

Keep away from food, drinks and feed.

Avoid contact with the eyes.

Wash hands before breaks and at the end of work.

· **Respiratory protection:**

Use suitable respiratory protective device only when aerosol or mist is formed.

Filter A

Respiratory protection according to EN 141.

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- **Protection of hands:**

In the case of hand soaps, is not necessary when using the product for the intended purpose.

Solvent resistant gloves

Chemical resistant gloves (EN374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

EN166 compliant safety glasses

- **Body protection:** Solvent resistant protective clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

· Form:	<i>Fluid</i>
· Colour:	<i>Colourless</i>
· Odour:	<i>Characteristic</i>
· Odour threshold:	<i>Not determined.</i>
· pH-value:	<i>Not determined.</i>

- **Change in condition**

· Melting point/freezing point:	<i>Undetermined.</i>
· Initial boiling point and boiling range:	<i>78 °C</i>
· Flash point:	<i>20 °C</i>
· Flammability	<i>Highly flammable.</i>
· Decomposition temperature:	<i>Not determined.</i>
· Ignition temperature:	<i>Product is not selfigniting.</i>
· Explosive properties:	<i>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</i>

- **Explosion limits:**

· Lower:	<i>Not determined.</i>
· Upper:	<i>Not determined.</i>
· Vapour pressure:	<i>Not determined.</i>
· Density at 20 °C:	<i>0.84 g/cm³</i>
· Relative density	<i>Not determined.</i>
· Vapour density	<i>Not determined.</i>
· Evaporation rate	<i>Not determined.</i>
· Solubility in / Miscibility with	
· water:	<i>Fully miscible.</i>
· Partition coefficient: n-octanol/water:	<i>Not determined.</i>
· Viscosity:	
· Dynamic:	<i>Not determined.</i>
· Kinematic:	<i>Not determined.</i>

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- | | |
|---|---------|
| · Solvent content: | |
| · VOC (EC) | 75.24 % |
| · VOCV (CH) | 75.24 % |
| · 9.2 Other information No further relevant information available. | |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid heat, flames and sparks**
- **10.5 Incompatible materials:** acids and strong oxydizing.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
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64-17-5 ethanol		
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Oral	LD50	10,470 mg/kg (Rat)
Dermal	LD50	15,800 mg/kg (rabbit)
Inhalative	LC50/4 h	30,000 mg/l (Rat)

67-63-0 propan-2-ol		
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Oral	LD50	5,045 mg/kg (Rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (Rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** can defat or irritate the skin when prolonged or repeated use
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:** repeating the exposure cause damages to the respiratory system
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**

· Aquatic toxicity:	
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64-17-5 ethanol	
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LC50/24h (dynamic)	11,200 mg/l (<i>Salmo gairdneri</i>) (US-EPA)
LC50/96h	13,000 mg/l (<i>Oncorhynchus mykiss</i>) (OECD203)
	11,200 mg/l (<i>Salmo gairdneri</i>) (US-EPA)
	15,300 mg/l (<i>Pimephales promelas</i>) (US-EPA)

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EC50	5,800 mg/kg /4h (bacteriae)
EC50/72h (static)	275 mg/l (Algues) (OECD201)
EC50/48h (static)	5,012 mg/l (Ceriodapnia dubia) (ASTM E 729-80)
	12,340 mg/l (Daphnia) (ASTM E 729-80)
EC50/24h	858 mg/l (Artemia salina) (OECD202)
EC10 (static)	11.5 mg/l /72h (Algues) (OECD201)

67-63-0 propan-2-ol

LC50/96h	9,640 mg/l (Pimephales promelas)
EC50/48h	13,299 mg/l (Daphnia)
EC10/18h	5,175 mg/l (Pseudomonas putida)

- **12.2 Persistence and degradability**
the product is easily biodegradable
90%/28d

64-17-5 ethanol

biodegradability	97 % (OECD301B)
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- **12.3 Bioaccumulative potential** Bioaccumulation is unlikely. (log Poe <1).
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**

· **COD-value:****64-17-5 ethanol**

Chemical Oxygen Demand	1,900 mg/g
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· **BOD5-value:****64-17-5 ethanol**

Biochemical Oxygen Demand	100 mg/g
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· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Concentrated or diluted, no chemicals and/or rinse water should be discharged into clear water/rainwater.

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

must be routed to an incinerator authorized for toxic waste in accordance with regulations on hazardous waste.

· **Waste disposal key:**

Waste code No.VEVA/OMoD (CH)
07 07 04

· **European waste catalogue**

HP3	Flammable
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· 14.1 UN-Number	UN1170
· ADR, IMDG, IATA	
· 14.2 UN proper shipping name	1170 ETHANOL (ETHYL ALCOHOL)
· ADR	ETHANOL (ETHYL ALCOHOL)
· IMDG	ETHANOL
· IATA	
· 14.3 Transport hazard class(es)	
· ADR, IMDG, IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	II
· ADR, IMDG, IATA	
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	33
· EMS Number:	F-E,S-D
· Stowage Category	A
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II

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SECTION 15: Regulatory information

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

FOPH : Biocide product

822.115, Jugendarbeitsschutzverordnung - ArGV 5 und 822.115.2, Verordnung des WBF über gefährliche Arbeiten für Jugendliche sind nicht zutreffend.

ArGV 1 und 822.111.52, Verordnung des WBF über gefährliche und beschwerliche Arbeiten bei Schwangerschaft und Mutterschaft sind nicht zutreffend.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.· **Seveso category P5c FLAMMABLE LIQUIDS**· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.· **VOC (CE)** 75.24 %· **VOCV (CH)** 75.24 %· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Recommended restriction of use**

User category: Professional & Private User

Hand disinfectant

· **Contact:**

Dentimed Sarl, département sécurité

+41 21 861 38 73

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU)

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*DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 2: Flammable liquids – Category 2**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3***· Additional information:***Safety data sheets shall be adapted :*

- in case of important new information about a substance or preparation.*
- when the harmonised classification changes in the EU or in Switzerland, or when a product is classified for the first time*
- If there is new information on the results of authorisation or restriction processes.*

A safety data sheet does not have an expiry date and must be considered as compliant (according to the standards in force at the time of its elaboration) regardless of its revision date.

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