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

1.1. Product identifier

Trade name
Disinfectant for Hands HANDCARE® VERS 1

Product no.
HC15003/4/5/6/7/8-15012/-

REACH registration number
Not applicable

Other means of identification
Approved by the Danish Veterinary og Food Directory in Denmark under journal no. 581.1520-0180/2012-29-5409-00278 24-04-2013 as a disinfectant for equipment, inventory and surfaces.

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

Relevant identified uses of the substance or mixture
Broad-spectrum, high-level disinfectant for removing bacteria, viruses and fungi.
Rub 2-3 ml. of the product directly into the hands to be disinfected. Can be used on hands and skin.
Especially suitable for Hospital and food industry where hygiene requirements are particularly high.
The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address
Hygicare ApS
Kanonbådesvej 4A
DK- 1437 Kbh.K.
tlf: +45 26 39 13 22
@: info@hygicare.dk
www.hygicare.dk

Contact person
Jørgen Petersen

E-mail
jp@hygicare.dk

SDS date
10-03-2020

SDS Version
1.3

1.4. Emergency telephone number

Use your national or local emergency number
See section 4 “First aid measures”

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified as dangerous.

2.2. Label elements

Hazard pictogram(s)
-

Hazard statement(s)
-

Identity of the substances primarily responsible for the major health hazards
-

Safety statement(s)	General	-
	Prevention	-
	Response	-
	Storage	-
	Disposal	-

2.3. Other hazards

This product contains an organic solvent. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.

Additional labeling

-

Additional warnings

-

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAVN:	Vand
IDENTIFIKATIONSNUMRE:	CAS-nr: 7732-18-5 EF-nr: -
INDHOLD:	60-80%
DSD KLASSIFICERING:	-
CLP KLASSIFICERING:	-

NAVN:	ethanol
IDENTIFIKATIONSNUMRE:	CAS-nr: 64-17-5 EF-nr: 200-578-6 Index-nr: 603-002-00-5
INDHOLD:	5-15%
DSD KLASSIFICERING:	F; R11
CLP KLASSIFICERING:	Flam. Liq. 2 H225
NOTE:	S

NAVN:	2-phenoxyethanol
IDENTIFIKATIONSNUMRE:	CAS-nr: 122-99-6 EF-nr: 204-589-7 Index-nr: 603-098-00-9
INDHOLD:	1-5%
DSD KLASSIFICERING:	Xn; R22 Xi; R36
CLP KLASSIFICERING:	Acute tox. 4, Eye Irrit. 2 H302, H319

NAVN:	l-(+)-maelkesyre
IDENTIFIKATIONSNUMRE:	CAS-nr: 79-33-4 EF-nr: 201-196-2 Index-nr: 201-196-2
INDHOLD:	1-5%
DSD KLASSIFICERING:	Xi;R41 R37/38
CLP KLASSIFICERING:	STOT SE 3, Skin Irrit. 2, Eye Dam. 1 H315, H318, H335

NAVN:	didecyldimethylammoniumchlorid IDENTIFIKATIONSNUMRE:
	CAS-nr: 7173-51-5 EF-nr: 230-525-2 Index-nr: 612-131-00-6
INDHOLD:	<1%
DSD KLASSIFICERING:	C;R34 Xn;R22 N;R50
CLP KLASSIFICERING:	Acute Tox. 4, Skin. Corr. 1B, Aquatic Acute 1

NAVN:	hydroxyethylcellulose
IDENTIFIKATIONSNUMRE:	CAS-nr: 9004-62-0
INDHOLD:	<1%
DSD KLASSIFICERING:	-
CLP KLASSIFICERING:	-
NAVN:	alkylalkohol, ethoxyleret
IDENTIFIKATIONSNUMRE:	CAS-nr: 68439-46-3
INDHOLD:	<1%
DSD KLASSIFICERING:	Xn;R22 Xi;R41
CLP KLASSIFICERING:	Acute Tox. 4, Eye Dam. 1 H302, H318
NAVN:	natriumhydroxid
IDENTIFIKATIONSNUMRE:	CAS-nr: 1310-73-2 EF-nr: 215-185-5 Index-nr:011-002-00-6
INDHOLD:	<1%
DSD KLASSIFICERING:	C; R35
CLP KLASSIFICERING:	Skin Corr. 1A H314
NAVN:	propan-2-ol
IDENTIFIKATIONSNUMRE:	CAS-nr: 67-63-0 EF-nr: 200-661-7 Index-nr:603-117-00-0
INDHOLD:	<1%
DSD KLASSIFICERING:	F; R11 Xi; R36 R67
CLP KLASSIFICERING:	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 H225, H319, H336
NOTE:	S
NAVN:	allantoin
IDENTIFIKATIONSNUMRE:	CAS-nr: 97-59-6 EF-nr: 202-592-8
INDHOLD:	<1%
DSD KLASSIFICERING:	-
CLP KLASSIFICERING:	-
NAVN:	Glycerin 7 EO Fedtalkoholethoxylat
IDENTIFIKATIONSNUMRE:	CAS-nr: 361459-38-3
INDHOLD:	<1%
DSD KLASSIFICERING:	Xi;R41
CLP KLASSIFICERING:	Eye Dam. 1 H318

(*) Den fulde ordlyd af H/R-sætningerne findes i punkt 16. Arbejdshygiejniske grænseværdier er nævnt i punkt 8, såfremt de er tilgængelige.
S = Organisk opløsningsmiddel. S = Organisk opløsningsmiddel.

additional information

Ingredients:
AQUA (Solvent), ALCOHOL (Solvent), PHENOXYETHANOL (Preservative), LACTIC ACID (pH adjustment), DIDECYLDIMONIUM CHLORIDE (Disinfectant), HYDROXYETHYLCELLULOSE (Thickening agent), C9-11 PARETH-3 (Surfactant), SODIUM HYDROXIDE (pH adjustment), ISOPROPYL ALCOHOL (Solvent), ALLANTOIN (-), GLYCERETH-7 CAPRYLATE/CAPRATE (Humectant), POLYAMONOPROPYL-
BIGUANIDE (Preservative)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

Inhalation

Get the person into fresh air and stay with them.

Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Rinse with water until the pain stops and continue for 30 minutes.

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

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

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

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

6.3. Consider putting up waste collecting trays/basins to prevent leakage to the surroundings. Avoid discharge to lakes, streams, sewers, etc. In the event of a leakage to the surroundings, contact the local environmental

Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section on “Disposal considerations ” with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.
authorities.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Consider putting up waste collecting trays/basins to prevent leakage to the surroundings. See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

Storage temperature

Frost-free

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

propan-2-ol (AT, (2005))
Grænseværdi: 200 ppm | 490 mg/m3

natriumhydroxid (AT, (<1994))
Grænseværdi: - ppm | 2 mg/m3
Anm: L (L = Grænseværdien er en loftværdi, som ikke på noget tidspunkt må overskrides.)

ethanol (AT, (<1994))
Grænseværdi: 1000 ppm | 1900 mg/m3

DNEL / PNEC

DNEL (ethanol): 1900 mg/m3 - Exposure: Inhalation - Duration: Short term - Local effects - Remarks: Workers DNEL (ethanol): 343 mg/kg - Exposure: Dermal - Duration: Long term - Systemic effects - Remarks: Workers DNEL (ethanol): 950 mg/m3 - Exposure: Inhalation - Duration: Long term - Systemic effects - Remarks: Workers
DNEL (ethanol): 950 mg/m3 - Exposure: Inhalation - Duration: Short term - Local effects - Remarks: General population DNEL (ethanol): 206 mg/kg - Exposure: Dermal - Duration: Long term - Systemic effects - Remarks: General population DNEL (ethanol): 114 mg/m3 - Exposure: Inhalation - Duration: Long term - Systemic effects - Remarks: General population DNEL (ethanol): 87 mg/kg - Exposure: Oral - Duration: Long term - Systemic effects - Remarks: General population
DNEL (2-phenoxyethanol): 34,72 mg/kg - Exposure: Dermal - Duration: Long term - Systemic effects - Remarks: Workers DNEL (2-phenoxyethanol): 8,07 mg/m3 - Exposure: Inhalation - Duration: Long term - Systemic effects - Remarks: Workers DNEL (2-phenoxyethanol): 8,07 mg/m3 - Exposure: Inhalation - Duration: Long term - Local effects - Remarks: Workers
DNEL (2-phenoxyethanol): 17,43 mg/kg - Exposure: Oral - Duration: Short term - Systemic effects - Remarks: General population DNEL (2-phenoxyethanol): 20,83 mg/kg - Exposure: Dermal - Duration: Long term - Systemic effects - Remarks: General population DNEL (2-phenoxyethanol): 2,41 mg/m3 - Exposure: Inhalation - Duration: Long term - Systemic effects - Remarks: General population DNEL (2-phenoxyethanol): 17,43 mg/kg - Exposure: Oral - Duration: Long term - Systemic effects - Remarks: General population DNEL (2-phenoxyethanol): 2,41 mg/m3 - Exposure: Inhalation - Duration: Long term - Local effects - Remarks: General population DNEL (natriumhydroxid): 1 mg/m3 - Exposure: Inhalation - Duration: Long term - Local effects - Remarks: Workers
DNEL (natriumhydroxid): 1 mg/m3 - Exposure: Inhalation - Duration: Long term - Local effects - Remarks: Workers

DNEL (propan-2-ol): 888 mg/kg - Exposure: Dermal - Duration: Long term - Systemic effects - Remarks: Workers
DNEL (propan-2-ol): 500 m/m3 - Exposure: Inhalation - Duration: Long term - Systemic effects - Remarks: Workers
DNEL (propan-2-ol): 319 mg/kg - Exposure: Dermal - Duration: Long term - Systemic effects - Remarks: General population DNEL (propan-2-ol): 89 mg/m - Exposure: Inhalation - Duration: Long term - Systemic effects - Remarks: General population DNEL (propan-2-ol): 26 mg/kg - Exposure: Oral - Duration: Long term - Systemic effects - Remarks: General population DNEL (l-(+)-maelkesyre): 592 mg/m3 - Exposure: Inhalation - Duration: Short term - Local effects - Remarks: Workers
DNEL (l-(+)-maelkesyre): 35,4 mg/kg - Exposure: Oral - Duration: Short term - Systemic effects - Remarks: General population DNEL (l-(+)-maelkesyre): 296 mg/m3 - Exposure: Inhalation - Duration: Short term - Local effects - Remarks: General population

PNEC (ethanol): 0,96 mg/L - Exposure: Water - Duration: Single - Remarks: Freshwater PNEC
(ethanol): 0,79 mg/L - Exposure: Water - Duration: Single - Remarks: Marine water PNEC
(ethanol): 2,75 mg/L - Exposure: Water - Duration: Continuous
PNEC (ethanol): 0,63 mg/kg - Exposure: Soil - Duration: Single
PNEC (2-phenoxyethanol): 0,943 mg/L - Exposure: Water - Duration: Single - Remarks: Freshwater PNEC (2-phenoxyethanol): 0,0943 mg/L - Exposure: Water - Duration: Single - Remarks: Marine water PNEC (2-phenoxyethanol): 3,44 mg/L - Exposure: Water - Duration: Continuous
PNEC (2-phenoxyethanol): 1,26 mg/kg - Exposure: Soil - Duration: Single
PNEC (propan-2-ol): 140,9 mg/L - Exposure: Water - Duration: Single - Remarks: Freshwater PNEC (propan-2-ol): 140,9 mg/L - Exposure: Water - Duration: Single - Remarks: Marine water PNEC (propan-2-ol): 140,9 mg/L - Exposure: Water - Duration: Continuous
PNEC (propan-2-ol): 28 mg/kg - Exposure: Soil - Duration: Single
PNEC (l-(+)-maelkesyre): 1,3 mg/L - Exposure: Water - Duration: Single - Remarks: Freshwater

Exposure scenarios
If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits
Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

Appropriate technical measures
Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

Hygiene measures
No specific requirements.

Measures to avoid environmental exposure
No specific requirements.

Individual protection measures, such as personal protective equipment
No specific requirements.

Generally
Only CE-marked personal protection equipment should be used.

Respiratory Equipment
If the ventilation at the work place is not sufficient, use a half or whole mask with an appropriate filter or an air-supplied respiratory protector. The choice depends on the concrete work situation and how long you will be using the product.

Skin protection
No specific requirements.

Hand protection
Recommended: Nitrile rubber. . Breakthrough time: > 240 minutes (Class 5)

Eye protection
No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm3)
Liquid	Clear	Alcohol odor	5,5	<100 cP	0,95

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
>62,5	-	-

Explosion limits (Vol %)	Oxidizing properties
-	-

Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

9.2. Other information

Solubility in fat	Additional information
-	N/A

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
The product is stable under the conditions, noted in the section on “Handling and storage”.

10.3. Possibility of hazardous reactions
No special

10.4. Conditions to avoid
Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidising agents, and strong catabolic agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result

Long term effects

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Test duration	Result

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
		No data available	No data available
		No data available	No data available
		No data available	No data available
		No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
	No		
	No	No data available	
	No		
	Yes		

12.4. Mobility in soil

ethanol: Log Koc= -0,198765, Calculated from LogPow (). 2-phenoxyethanol: Log Koc= 1,16 (High mobility potential.). Calculated from LogPow (Moderate mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Waste

EWC code

20 01 29

Specific labelling

-

Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

SECTION 14: Transport information

Not listed as dangerous goods under ADR, IATA and IMDG regulations.

14.1 – 14.4

ADR/RID	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Notes

IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS	MP**	Hazardous constituent

14.5. Environmental hazards

This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability.

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group
(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC. For exceptions, see the Danish Working Environment Authority's Executive Order No. 239 of 6 April 2005.

Demands for specific education

-

15.2. Chemical safety assessment

No

SECTION 16: Other information

Sources

EC regulation 1907/2006 (REACH)
Directive 2000/532/EC
EC Regulation 1272/2008 (CLP)

Full text of H/R-phrases as mentioned in section 3

R11 - Highly flammable.
R22 - Harmful if swallowed.
R36 - Irritating to eyes.
R41 - Risk of serious damage to eyes.
R36/38 - Irritating to eyes and skin.
H225 - Highly flammable liquid and vapour.
H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

-

Other symbols mentioned in section 2

-

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

JM

Date of last essential change (First cipher in SDS version)

-

Date of last minor change (Last cipher in SDS version)

-