

SAFETY DATA SHEET

**Antibac Hand Disinfectant GEL
85%**

The safety data sheet is in accordance with 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)

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

Date issued	17.07.2009
Revision date	30.11.2016

1.1. Product identifier

Product name	Antibac Hand Disinfectant GEL 85%
Synonyms	Antibac Pharma Hand Disinfectant 85% Gel
Article no.	601640, 601686, 601687, 601690, 601699, 601700, 603046

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

Product group	Disinfectant PT1 Human hygiene
Use of the substance / preparation	Hand disinfection 85%

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

Company name	KiiltoClean AS
Office address	Hagaløkkveien 13, 1383 Asker
Postal address	Postboks 103
Postcode	NO-1371
City	Asker
Country	Norway
Telephone number	+47 66 77 11 70
Email	post.no@kiilto.com
Website	www.antibac.no

1.4. Emergency telephone number

Emergency telephone	Telephone number: 111 for medical help Description: Call
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Telephone number: 999 in emergency
Description: Call

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to
Regulation (EC) No 1272/2008
[CLP / GHS]

Flam. Liq. 2; H225

Eye Irrit. 2; H319

Substance / mixture hazardous
properties

Highly flammable liquid and vapour. Causes serious eye irritation.

2.2. Label elements

Hazard pictograms (CLP)



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container as hazardous waste. Rinsed packaging may be recycled as plastic.

Supplemental label information

Use: Hand disinfectant
Type of preparation: Gel
Contains: 675 g/kg of ethanol, 134 g/kg of propan-2-ol
Dosage: rub 3 ml into clean and dry hands, for at least 30 seconds until the skin is covered and let dry.
For private and professional use.

2.3. Other hazards

PBT / vPvB

The chemical contains no PBT or vPvB substances.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5 REACH Reg. No.:	Flam. Liq. 2; H225 Eye Irrit. 2; H319	60 - 85 %	

	01-2119457610-43		
Propan-2-ol	CAS No.: 67-63-0	Flam. Liq. 2; H225;	10 - 15 %
	EC No.: 200-661-7	Eye Irrit. 2; H319;	
	Index No.: 603-117-00-0	STOT SE 3; H336;	
2-Methylpropan-2-ol	CAS No.: 75-65-0	Flam. Liq. 2; H225;	1 - 5 %
	EC No.: 200-889-7	Acute tox. 4; H332;	
	Index No.: 603-005-00-1	Eye Irrit. 2; H319;	
		STOT SE 3; H335;	
Glycerine	CAS No.: 56-81-5		1 - 5 %
	EC No.: 200-289-5		
Substance comments	See section 16 for explanation of hazard statements (H) listed above.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Emergency telephone number: see section 1.4. In case of unconsciousness or severe accidents, call 999.
Inhalation	Fresh air. Get medical attention if any discomfort continues.
Skin contact	The product is intended for skin contact.
Eye contact	Immediately rinse with water for several minutes. Remove any contact lenses. Hold the eyelids apart. Contact physician if irritation persists.
Ingestion	Immediately rinse mouth and drink plenty of water (200-300 ml). Do not induce vomiting. Contact physician if larger quantity has been consumed.

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

Acute symptoms and effects	Inhalation of high concentrations: Vapours may cause drowsiness and dizziness. Eye contact: Symptoms of irritation may be redness and pain. Ingestion: Ingestion may cause discomfort. May cause similar symptoms to those resulting from inhalation.
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4.3. Indication of any immediate medical attention and special treatment needed

Other information	No specific information from the manufacturer. Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Improper extinguishing media	Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The chemical is highly flammable. Can form explosive gas-air mixtures. Vapours are heavier than air and may spread near ground to sources of ignition.
Hazardous combustion products	May include, but is not limited to: Carbon dioxide (CO ₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.
Other information	Containers close to fire should be removed immediately or cooled with water. Extinguishing water must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Remove all ignition sources and ventilate the area. Do not breathe vapour. Use protective equipment as referred to in section 8.
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6.2. Environmental precautions

Environmental precautionary measures	Do not allow to enter into sewer, water system or soil. Fire-/explosion risk. Contact local authorities in case of spillage to drain/aquatic environment.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Absorb spillage with non-combustible, absorbent material. Collect in a suitable container and dispose as hazardous waste according to section 13.
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6.4. Reference to other sections

Other instructions	See also sections 8 and 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Use biocides safely. Always read the label and product information before use. Provide good ventilation. Avoid inhalation of vapours.
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Protective safety measures

Safety measures to prevent fire	Smoking and naked flames and other ignition sources are prohibited. Take precautionary measures against static discharges.
Advice on general occupational hygiene	Do not eat, drink or smoke during work.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in accordance with regulations for flammable goods. Store in a tightly closed container in a cool, well-ventilated room, protected from direct sunlight.
Special risks and properties	The vapours are heavier than air and will spread along the floor. The vapours may form explosive mixtures with air.

Conditions for safe storage

Advice on storage compatibility	Keep away from: Oxidizing agents. Food and feed.
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7.3. Specific end use(s)

Specific use(s)

See section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Ethanol	CAS No.: 64-17-5	Limit value (8 h) : 1000 ppm Limit value (8 h) : 1920 mg/m ³	TWA Year: 2014
Propan-2-ol	CAS No.: 67-63-0	Limit value (8 h) : 400 ppm Limit value (8 h) : 999 mg/m ³ Limit value (short term) Value: 500 ppm Limit value (short term) Value: 1250 mg/m ³	
2-Methylpropan-2-ol	CAS No.: 75-65-0	Limit value (8 h) : 100 ppm Limit value (8 h) : 308 mg/m ³ Limit value (short term) Value: 150 ppm Limit value (short term) Value: 462 mg/m ³	
Glycerine	CAS No.: 56-81-5	Limit value (8 h) : 10 mg/m ³ (mist)	TWA Year: 2007

Other Information about threshold limit values

References (laws/regulations): EH40/2005 Workplace exposure limits, with later amendments.

Control parameters comments

Ethanol:

DNEL Consumer, oral, long term (repeated) exposure: 87 mg/kg

DNEL Worker, inhalation, long term (repeated) exposure, systemic effect: 950 mg/m³ (500 ppm)

DNEL Consumer, inhalation, short term (acute) exposure, local effect: 950 mg/m³

DNEL Consumer, dermal, long term (repeated) exposure: 206 mg/kg

DNEL Consumer, inhalation long term (repeated) exposure: 114 mg/m³

DNEL Worker, dermal, long term (repeated) exposure, systemic effect: 343 mg/kg

DNEL Worker, inhalation, short term (acute) exposure, local effect: 1900 mg/m³

PNEC Sediment (fresh water): 3,6 mg/kg

PNEC Salt water: 0,79 mg/l

PNEC Fresh water: 0,96 mg/l

PNEC Soil: 0,63 mg/l

8.2. Exposure controls

Limitation of exposure on workplace

Provide adequate ventilation. The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment.

A risk assessment of the work place/work activities (the actual risk) may lead to other control measures. The protection equipment's suitability and durability will depend on application.

Eye / face protection

Eye protection	Normally not necessary. Wear splash-proof eye goggles to prevent any possibility of eye contact.
Reference to relevant standard	EN 166 (Personal eye-protection. Specifications).

Hand protection

Hand protection	Not relevant. The chemical is intended for skin contact.
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Skin protection

Skin protection (except hands)	Ordinary workwear.
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Respiratory protection

Respiratory protection	Normally not required. When handling large spills or similar: If there is insufficient ventilation, use a respirator with type A-filter.
Reference to relevant standard	EN 14387 (Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking).

Appropriate environmental exposure control

Environmental exposure controls	Do not allow to enter into sewer, water system or soil.
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Other information

Other information	Eye wash facilities must be available when handling this chemical.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Viscous liquid. / Gel
Colour	Clear / Colourless.
Odour	Odour of alcohol.
Odour limit	Comments: Not specified by the manufacturer.
pH	Status: In delivery state Value: 6,0 - 8,0
Melting point / melting range	Comments: Not specified by the manufacturer.
Boiling point / boiling range	Comments: Not specified by the manufacturer.
Flash point	Value: 19 - 20 °C
Evaporation rate	Comments: Not specified by the manufacturer.
Flammability (solid, gas)	Not specified by the manufacturer.
Explosion limit	Comments: Not specified by the manufacturer.
Vapour pressure	Comments: Not specified by the manufacturer.

Vapour density	Value: > 1 Reference gas: air = 1
Relative density	Value: ~ 0,84 kg/dm ³ (20 °C)
Solubility description	Miscible with water. Miscible with most organic solvents.
Partition coefficient: n-octanol/ water	Comments: Not specified by the manufacturer.
Spontaneous combustability	Comments: Not specified by the manufacturer.
Viscosity	Value: > 400 cPs (20 °C)
Explosive properties	The chemical is not explosive, but may form explosive mixtures with air.
Oxidising properties	Not oxidizing.

9.2. Other information

Other physical and chemical properties

Comments	No further information is available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No test data available. Vapors may form explosive mixtures with air.
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10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Arise in contact with incompatible materials (see section 10.5) and/or under inappropriate conditions (see section 10.4).
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising substances.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See also section 5.2.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other toxicological data	Ethanol: LD50 oral, rat: 6200 mg/kg (IUCLID)
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LC50 inhalation, rat, 4h: > 124,7 mg/l (IUCLID)

2-Methylpropan-2-ol:
LC50 inhalation, rat, 4h: > 30 mg/l
Source: literature data

Other information regarding health hazards

Inhalation	Vapours may cause drowsiness and dizziness.
Skin contact	The product is intended for skin contact. No known symptoms.
Eye contact	Irritating to eyes and may cause redness, watering and stinging.
Ingestion	May cause discomfort if swallowed. Ingestion may cause similar symptoms to those resulting from inhalation.
Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of skin corrosion / irritation, classification	Based on available data, the classification criteria are not met.
Assessment of eye damage or irritation, classification	Causes serious eye irritation.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	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.
Assessment of aspiration hazard, classification	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	<p>Ethanol:</p> <p>LC50 (fish 48h): 8.140 mg/l (Species: Leuciscus idus, IUCLID)</p> <p>EC50 (Daphnia, 48h): 9.268 - 14.221 mg/l (Species: Daphnia magna, IUCLID)</p> <p>IC5 (algae, 168h): 5.000 mg/l (Species: Scenedesmus quadricauda (green algae), IUCLID)</p> <p>EC5 (bacteria, 16h): 6.500 mg/l (Species: Pseudomonas putida, IUCLID)</p> <p>The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.</p>
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12.2. Persistence and degradability

Persistence and degradability, comments Expected to be readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The chemical is not expected to be bioaccumulative.

12.4. Mobility in soil

Mobility Miscible with water. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

PBT assessment results The mixture does not meet current criteria for PBT (Persistent, bioaccumulative and toxic).

vPvB evaluation results The mixture does not meet current criteria for vPvB (very persistent and very bioaccumulative).

12.6. Other adverse effects

Other adverse effects, comments Do not allow to enter into sewer, water system or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal Disposed of as hazardous waste by approved contractor. The waste code (EWC-Code) is intended as a guide. The code must be chosen by the user, if the use differs from the one mentioned below.

Product classified as hazardous waste Yes

EWC waste code EWC: 07 07 04* other organicsolvents, washing liquids and mother liquors

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN 1987

IMDG 1987

ICAO/IATA 1987

Comments May be transported in limited quantities if placed in outer packaging according to ADR 3.4, when max. 1 liter/inner packaging and max. 30 kg total gross mass. Shrink- or stretch wrapped trays may be used and shall not exceed 20 kg total gross mass/tray.

14.2. UN proper shipping name

ADR/RID/ADN ALCOHOLS, N.O.S. (ethanol, 2-propanol)

IMDG	ALCOHOLS, N.O.S. (ethanol, 2-propanol)
ICAO/IATA	ALCOHOLS, N.O.S. (ethanol, 2-propanol)

14.3. Transport hazard class(es)

ADR/RID/ADN	3
IMDG	3
ICAO/IATA	3

14.4. Packing group

ADR/RID/ADN	II
IMDG	II
ICAO/IATA	II

14.5. Environmental hazards

IMDG Marine pollutant	No
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14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Pollution category	Not relevant.
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ADR/RID Other information

ADR additional information	Tunnel restriction code (D/E)
Hazard No.	33

IMDG Other information

Additional information IMDG	Fp 19-20 °C c.c.
EmS	F-E, S-D

SECTION 15: Regulatory information

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

References (laws/regulations)	. Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. The European Waste Catalogue (EWC) Highly Flammable Liquid Regulations 1972. Dangerous Goods regulations 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
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products.

15.2. Chemical safety assessment

Chemical safety assessment performed

No

SECTION 16: Other information

Supplier's notes

The information contained in this SDS must be made available to all those who handle the product.

List of relevant H-phrases (Section 2 and 3)

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

Abbreviations and acronyms used

DNEL: Derived No Effect Level
EC5: The effective concentration of substance that causes 5% of the maximum response
EC50: The effective concentration of substance that causes 50% of the maximum response
IC50: The concentration of compound that results in 50% inhibition of a biological or biochemical function.
LC50: Median concentration lethal to 50% of a test population.
LD50: Lethal dose, is the amount of a substance given to a group of test animals, which causes the death of 50%.
PNEC: Predicted No Effect Concentration

Information added, deleted or revised

Sections being revised since previous version: 1-16

Version

7