

Safety Data Sheet

Antibac Overfladededesinfektion 75%

Issued: 30/09/2020
Version: 1.0.0

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

1.1. Product identifier

Trade name: Antibac Overfladededesinfektion 75%

Group name: Disinfection products

Unique Formula Identifier (UFI): 4MGJ-60G4-Y00H-FKT7

Article no

Article no	Description
601374	1000 ml
601375	750 ml spray
601376	150 wipes

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

Recommended uses: Disinfection of smooth surfaces.

PT 2 Disinfectants and algaecides not intended for direct application to humans or animals.
PT 4 Food and feed area.

Biocide. Use biocides safely. Always read the label and product information before use.
For professional users only

Inadvisable uses: Hand disinfection. By prolonged contact, the product may dry the skin.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: KiiltoClean A/S
Address: Frederik Plums Vej 2
Zip code: 5610
City: Assens
Country: DENMARK
E-mail: info.dk@kiilto.com
Phone: +45 64712112
Fax: +45 64712125
Homepage: www.plum.dk

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)) The emergency telephone is open 24 hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Flam. Liq. 2;H225 Eye Irrit. 2;H319

Most serious harmful effects: Highly flammable liquid and vapour. Causes serious eye irritation.

2.2. Label elements

Pictograms

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Signal word:

Danger

H-phrases

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

P-phrases

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P280 Wear protective gloves.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental information

Use: Surface disinfection.
Type of formulation: Liquid
Active substances: 667 g/kg ethanol (CAS no. 64-17-5) and 36 g/kg propan-2-ol (CAS no. 67-63-0).
Dosage: Apply solution onto surface or cloth/wipe and keep surface moist according to the stated contact time.
Wipe the surface repeatedly. Allow the surface to air dry.
Waste treatment: Empty and cleaned packages may be disposed of or recycled as household waste. The product should be disposed of as hazardous waste.
Waste management: Empty packaging material should be disposed of/sorted as plastic and used wipes can be disposed of as household waste. Unused products should be disposed of as hazardous waste.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Ethanol	64-17-5	200-578-6	01-2119457610-43-xxxx	60 - 75%	15	Flam. Liq. 2;H225 Eye Irrit. 2;H319
propan-2-ol	67-63-0	200-661-7	01-2119457558-25-xxxx	1 - 5%		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336

Please see section 16 for the full text of H-phrases.

15 = REACH-registered with a different classification than in Regulation 1272/2008 Appendix VI.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.
Skin contact: Wash the skin with water. Seek medical advice in case of persistent discomfort.
Eye contact: Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

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Burns: Flush with water until pain ceases. Remove clothing that is not stuck to the skin - seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

General: When obtaining medical advice, show the safety data sheet or label.

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

Direct contact: Irritating to eyes. Causes a burning sensation and tearing.
Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.
The product releases organic solvent vapours which may cause lethargy and dizziness.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards: The liquid in the product is highly flammable, and when heated, vapors may form explosive mixtures with air. Hazardous combustion products: Carbon monoxide and carbon dioxide.

5.3. Advice for fire-fighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stop leak if this can be done without risk. Provide adequate ventilation. Smoking and naked flames prohibited. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Wear safety goggles if there is a risk of eye splash. Wear gloves.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers. Wipe up minor spills with a cloth. Rinse with water. Provide good ventilation.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

Other Information: Minor spillage from single containers is not expected to cause accumulation of vapours in explosive concentrations.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Wash hands before breaks, before using restroom facilities, and at the end of work. Running water and eye wash equipment must be available.

7.2. Conditions for safe storage, including any incompatibilities

Store safely and keep out of reach of children. Keep in tightly closed original packaging. Storage temperature: 0-25 °C.

7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm ³	Comments	Remarks
ethanol	8h	1.000	1.920			
propan-2-ol	15m	500	1250			
propan-2-ol	8h	400	999			

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis: EH40/2005 Workplace exposure limits. Last amended January 2020.

PNEC

Ethanol, cas-no 64-17-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (intermittent releases)	2,75 mg/l			
PNEC aqua (marine water)	0,79 mg/l			
PNEC aqua (intermittent releases)	2,75 mg/l			
PNEC sediment (freshwater)	3,6 mg/kg			
PNEC sediment (marine water)	2,9 mg/kg			
PNEC STP (wastewater-treatment facilities)	580 mg/l			
PNEC soil	0,63 mg/kg			
PNEC aqua (freshwater)	0,96 mg/l			
propan-2-ol, cas-no 67-63-0				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	140,9 mg/l			
PNEC aqua (marine water)	140,9 mg/l			
PNEC aqua (intermittent releases)	140,9 mg/l			
PNEC STP (wastewater-treatment facilities)	2251 mg/l			

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PNEC soil	552 mg/kg dw			
PNEC soil	28 mg/kg			

DNEL - workers

Ethanol, cas-no 64-17-5

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (acute/short-term exposure - local effects)	1900 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	343 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	950 mg/m ³				

propan-2-ol, cas-no 67-63-0

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	888 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	500 mg/m ³				

DNEL - general population

Ethanol, cas-no 64-17-5

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	206 mg/kg bw/day				
Oral DNEL (long-term exposure - systemic effects)	87 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	114 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	950 mg/m ³				

propan-2-ol, cas-no 67-63-0

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	319 mg/kg bw/day				
Oral DNEL (long-term exposure - systemic effects)	26 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	89 mg/m ³				

8.2. Exposure controls

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Appropriate engineering controls:	Wear the personal protective equipment specified below.
Personal protective equipment, eye/face protection:	Not required for normal expected usage. Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.
Personal protective equipment, skin protection:	Not required.
Personal protective equipment, hand protection:	In the event of direct skin contact, wear protective gloves: Type of material: Nitrile rubber/ Butyl rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.
Personal protective equipment, respiratory protection:	Normally not required. In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A2/P3. Respiratory protection must conform to one of the following standards: EN 136/140/145.
Environmental exposure controls:	Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Clear
Odour	Alcohol
Solubility	Miscible with the following: Water. Alcohols.
Explosive properties	The product is not explosive, but may form explosive mixtures with air.
Oxidising properties	Non-oxidising.

Parameter	Value/unit	Remarks
pH (solution for use)	6 - 8	As supplied (use undiluted).
pH (concentrate)	6 - 8	As supplied
Melting point	~ -114 °C	Ethanol @ 101325 Pa
Freezing point	~ -114 °C	Ethanol @ 101325 Pa
Initial boiling point and boiling range	~ 80 °C	
Flash Point	< 21 °C	
Evaporation rate	No data	
Flammability (solid, gas)		Not applicable, see flashpoint.
Flammability limits	No data	
Explosion limits	2.5 - 19 vol%	
Vapour pressure	~ 5.9 kPa	Ethanol @ 20 °C
Vapour density	> 1	Reference gas: Air = 1
Relative density	0.860 - 0.880	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	~ 425 °C	Ethanol @ 101325 Pa
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Other Information: None.

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reacts with the following: Strong oxidisers.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

Strong oxidisers.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.
Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released. Among other: Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000mg/kg		OECD TG 401	Supplier

propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000mg/kg			Supplier

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - dermal

Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000mg/kg		OECD TG 402	Supplier

propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000mg/kg			Supplier

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation

Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse		4 h	> 20mg/l			Supplier

propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	8 h	> 20mg/l			Supplier

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

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Skin corrosion/irritation

Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	Irritation				OECD TG 404	Supplier

propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating		Supplier

Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Serious eye damage/eye irritation

Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Moderate eye irritation	OECD TG 405	Supplier

propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Irritating		Supplier

Direct contact: Irritating to eyes. Causes a burning sensation and tearing.

Respiratory sensitisation or skin sensitisation

Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea Pig				Not sensitizing	OECD TG 406	Supplier

propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea Pig	Buehler-Test			Not sensitizing		Supplier

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: The product does not have to be classified. Test data are not available.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data cannot be obtained for technical reasons.

Other toxicological effects: The product releases organic solvent vapours which may cause lethargy and dizziness. The product does not have to be classified. Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Ethanol, cas-no 64-17-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Leuciscus idus melanotus	48 h		> 100mg/l			Supplier

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Algae or other aquatic plants	Chlorella pyrenoidosa			5000 mg/l			Supplier
Crustacea	Daphnia magna	24 h		> 100mg/l			Supplier
Bacteria	Pseudomonas putida	16 h		6500 mg/l			Supplier

propan-2-ol, cas-no 67-63-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Leuciscus idus melanotus	48 h	LC50	> 100mg/l			Supplier
Crustacea	Daphnia magna	48 h	EC50	> 100mg/l			Supplier
Algae or other aquatic plants	Scenedesmus subspicatus	72 h		> 100mg/l			Supplier

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Soluble in water. The product contains organic solvents which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid unnecessary release to the environment. Collect concentrated spills and major waste in closed, leak-proof containers for disposal at the local hazardous waste site.

Wiping cloths with organic solvents: EWC code: 15 02 02 Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste: Depending on the end use:
07 07 04* other organic solvents, washing liquids and mother liquors
16 03 05* organic wastes containing hazardous substances
18 02 05* chemicals consisting of or containing hazardous substances

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN-No.: 1987 **14.4. Packing group:** II

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14.2. UN proper shipping name:	ALCOHOLS, N.O.S. (Ethanol) (propan-2-ol)	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Hazard identification number:	33	Tunnel restriction code:	D/E

Inland water ways transport (ADN)

14.1. UN-No.:	1987	14.4. Packing group:	II
14.2. UN proper shipping name:	ALCOHOLS, N.O.S. (Ethanol) (propan-2-ol)	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Transport in tank vessels:			

Sea transport (IMDG)

14.1. UN-No.:	1987	14.4. Packing group:	II
14.2. UN proper shipping name:	ALCOHOLS, N.O.S. (Ethanol) (propan-2-ol)	14.5. Environmental hazards:	The product is not a Marine Pollutant (MP).
14.3. Transport hazard class(es):	3	Environmental Hazardous Substance Name(s):	
Hazard label(s):	3		
EmS:	F-E, S-D	IMDG Code segregation group:	- None -

Air transport (ICAO-TI / IATA-DGR)

14.1. UN-No.:	1987	14.4. Packing group:	II
14.2. UN proper shipping name:	ALCOHOLS, N.O.S. (Ethanol) (propan-2-ol)	14.5. Environmental hazards:	
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		

14.6. Special precautions for user

None.

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

Not applicable.

Other Information: 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.
May be transported in limited quantities if placed in outer packaging according to IMDG 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.

SECTION 15: Regulatory information

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

Special Provisions: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances

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and mixtures (CLP).
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 products (BPR).
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
COMMISSION REGULATION (EU) 2015/830 (SDS).

United Kingdom labour law.

Directive 2012/18/EU (Seveso), P5c FLAMMABLE LIQUIDS: Column 2: 5000 t, Column 3: 50000 t.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	30/09/2020	KiiltoClean A/S (SKP)	New

Abbreviations:
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
STOT: Specific Target Organ Toxicity
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

References to literature and data sources: ECHA reg. sub.: ECHA database for information on registered substances.

Other Information: Additional information can be obtained by contacting info.dk@kiilto.com or by telephone +45 6471 2112.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Date: 30/09/2020

Classification method: Calculation based on the hazards of the known components. Test data.

List of relevant H-statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Product type: PT 2 Disinfectants and algacides not intended for direct application to humans or animals.
PT 4 Food and feed area.

SDS is prepared by

Company: KiiltoClean A/S
Address: Frederik Plums Vej 2
Zip code: 5610
City: Assens
Country: DENMARK

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Phone: +45 64712112
Fax: +45 64712125
Homepage: www.plum.dk

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