

## SAFETY DATA SHEET

**Antibac Surface Disinfectant  
Wipes 75%**

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 08.03.2013  
Revision date 31.01.2016

**1.1. Product identifier**

Product name Antibac Surface Disinfectant Wipes 75%  
Article no. 601376

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

Product group PT2 Disinfectants and algaecides not intended for direct application to humans or animals  
PT4 Food and feed area  
Use of the substance / preparation Surface disinfection 75%

**1.3. Details of the supplier of the safety data sheet****Downstream user**

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](mailto:post.no@kiilto.com)  
Website [www.antibac.no](http://www.antibac.no)

**1.4. Emergency telephone number**

Emergency telephone Telephone number: NHS Direct - 0845 4647 (24h/24h)  
Description: For poisoning emergencies, 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

The information in this safety data sheet applies to the liquid in the wipes:  
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.

Supplemental label information

Use: Surface disinfection  
Type of preparation: Wipes  
Contains: 667 g/kg of ethanol and 36 g/kg of propan-2-ol

### 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
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5 REACH Reg. No.: 01-2119457610-43 Synonyms for section 3: Ethyl alcohol	Flam. Liq. 2; H225 Eye Irrit. 2; H319	60 - 75 %
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	1 - 5 %
Substance comments	The full text for all hazard statements is displayed in section 16.		

## 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 112.
Inhalation	Fresh air. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothes and rinse skin thoroughly with water. Consult a doctor if symptoms should occur.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Consult an eye specialist if the 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	<p>Inhalation: may cause headache, nausea, vomiting, and intoxication.</p> <p>Skin contact: degreasing after frequent contact, may cause redness and cracking.</p> <p>Eye contact: eye irritation.</p> <p>Ingestion: may cause discomfort and similar symptoms to those resulting from inhalation.</p>
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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	Dry-powder, carbon dioxide (CO <sub>2</sub> ), water mist, alcohol resistant foam.
Improper extinguishing media	Do not use water jet.

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

Fire and explosion hazards	<p>Highly flammable. Can form explosive gas-air mixtures.</p> <p>Vapours are heavier than air and may spread near ground to sources of ignition.</p>
Hazardous combustion products	Carbon dioxide (CO <sub>2</sub> ). 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.

## 6.2. Environmental precautions

Environmental precautionary measures Do not allow to enter into sewer, water system or soil.

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

Cleaning method Collect in suitable containers and deliver as hazardous waste according to section 13.

## 6.4. Reference to other sections

Other instructions See also sections 8 and 13.

## 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.

### 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.

### Conditions for safe storage

Advice on storage compatibility Keep away from: Oxidising material. Food and feed.

### 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 EC No.: 200-578-6 Index No.: 603-002-00-5 REACH Reg. No.:	Limit value (8 h) : 1000 ppm Limit value (8 h) : 1920 mg/ m <sup>3</sup>	TWA Year: 2014

01-2119457610-43  
 Synonyms for section 3:  
 Ethyl alcohol

Propan-2-ol	CAS No.: 67-63-0	Limit value (8 h) : 400 ppm
	EC No.: 200-661-7	Limit value (8 h) : 999 mg/ m3
	Index No.: 603-117-00-0	<b>Limit value (short term)</b> Value: 500 ppm
		<b>Limit value (short term)</b> Value: 1250 mg/m3

Other Information about threshold limit values

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

## DNEL / PNEC

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/m<sup>3</sup> (500 ppm)  
 DNEL Consumer, inhalation, short term (acute) exposure, local effect: 950 mg/m<sup>3</sup>  
 DNEL Consumer, dermal, long term (repeated) exposure: 206 mg/kg  
 DNEL Consumer, inhalation long term (repeated) exposure: 114 mg/m<sup>3</sup>  
 DNEL Worker, dermal, long term (repeated) exposure, systemic effect: 343 mg/kg  
 DNEL Worker, inhalation, short term (acute) exposure, local effect: 1900 mg/m<sup>3</sup>  
 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

Well-ventilated area. 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 equipments suitability and durability will depend on application.

## Respiratory protection

Respiratory protection

Normally not required. In case of insufficient ventilation, wear half or full face mask with gas filter A (brown, organic vapor filter).

Reference to relevant standard

EN 14387 (Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking).

## Hand protection

Hand protection

In case of repeated or prolonged contact, use resistant gloves from e.g.: Nitrile. Butyl rubber. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove

	material.
Reference to relevant standard	BS-EN 420 (Protective gloves. General requirements and test methods). BS-EN 374 (Protective gloves against chemicals and micro-organisms).
Breakthrough time	Value: No specific information from the manufacturer.
Thickness of glove material	Value: No specific information from the manufacturer.

## Eye / face protection

Eye protection	Normally not necessary. Wear approved, tight fitting safety glasses where splashing is probable.
Reference to relevant standard	EN 166 (Personal eye-protection. Specifications).

## Skin protection

Skin protection (except hands)	Ordinary workwear.
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## 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 should 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	Moistened tissue. The data in this section apply to the liquid.
Colour	Colourless.
Odour	Alcohol.
Odour limit	Comments: Not specified by the manufacturer.
pH	Status: In delivery state Comments: Not specified by the manufacturer.
Melting point / melting range	Value: < -20 °C
Boiling point / boiling range	Value: ≥ 78 °C
Flash point	Value: < 21 °C
Explosion limit	Value: ~ 2,5 - 19 % by vol in air
Vapour pressure	Comments: Not specified by the manufacturer.
Vapour density	Value: > 1 Reference gas: air = 1
Relative density	Value: 0,864 g/cm <sup>3</sup> (20 °C)
Solubility description	Soluble in water. Soluble in: Organic solvents.
Partition coefficient: n-octanol/ water	Value: -0,35 Method: log Pow ethanol (20 °C)

Spontaneous combustability	Value: 363 °C Method: ethanol
Viscosity	Value: 1,19 mPas Method: ethanol 20 °C
Explosive properties	Not classified as an explosive.
Oxidising properties	Not oxidising.

## 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	Oxidizing agents.
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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) LC50 inhalation, rat, 4h: > 124,7 mg/l (IUCLID)
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### Acute toxicity, Mixture estimate

Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
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## Potential acute effects

Inhalation	In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.
Skin contact	May be degreasing after frequent contact. Prolonged contact may cause redness, irritation and cracking.
Eye contact	Irritant to eyes.
Ingestion	May cause discomfort if swallowed. Ingestion may cause similar symptoms to those resulting from inhalation.
Assessment of skin corrosion / irritation, classification	Causes serious eye irritation.
Aspiration hazard	Based on available data, the classification criteria are not met.

## Delayed effects / repeated exposure

Sensitisation	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.

## Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity, other information	Based on available data, the classification criteria are not met.
Mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	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>Not classified as dangerous to the environment.</p>
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### 12.2. Persistence and degradability

Persistence and degradability, comments	Readily biodegradable.
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### 12.3. Bioaccumulative potential

Bioaccumulative potential	The chemical is not expected to be bioaccumulative.
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### 12.4. Mobility in soil

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

## 12.5. Results of PBT and vPvB assessment

PBT assessment results	The chemical contains no PBT-substances.
vPvB evaluation results	The chemical contains no vPvB substances.

## 12.6. Other adverse effects

Other adverse effects, comments	Do not allow to enter into sewer, water system or soil.
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## 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	3175
IMDG	3175
ICAO/IATA	3175
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	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ethanol, propan-2-ol)
IMDG	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ethanol, propan-2-ol)
ICAO/IATA	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ethanol, propan-2-ol)

### 14.3. Transport hazard class(es)

ADR/RID/ADN	4.1
IMDG	4.1
ICAO/IATA	4.1

### 14.4. Packing group

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

#### 14.5. Environmental hazards

IMDG Marine pollutant	No
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#### 14.6. Special precautions for user

EmS	F-A, S-I
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#### 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.	40

#### IMDG Other information

Additional information IMDG	Fp < 21 °C c.c.
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### SECTION 15: Regulatory information

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

References (laws/regulations)	<p>Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments.</p> <p>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.</p> <p>The European Waste Catalogue (EWC)</p> <p>Dangerous Goods regulations</p>
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#### 15.2. Chemical safety assessment

Chemical safety assessment performed	No
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### SECTION 16: Other information

R-phrases	
S-phrases	
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)	<p>H336 May cause drowsiness or dizziness.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H319 Causes serious eye irritation.</p>

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Flam. Liq. 2; H225; Eye Irrit. 2; H319;
Abbreviations and acronyms used	EWC = European Waste Code (a code from the EU's common classification system for waste) 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 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%. PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
Information added, deleted or revised	Sections being revised since previous version: all (CLP)
Checking quality of information	This SDS is quality controlled by Teknologisk Institutt in Norway, certified according to the Quality Management System requirements specified in ISO 9001:2008.
Version	2
Prepared by	Teknologisk Institutt as / Milvi Rohtla