

Safety Data Sheet

WipeClean Ethanol Disinfection 80%

Issued: 04/10/2019
Version: 1.1.0

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

1.1. Product identifier

Trade name: WipeClean Ethanol Disinfection 80%

Article no

Article no	Description
5211	Small; 25 wipes (20*30 cm)
5212	Large; 20 wipes (40*30 cm)
5215	Food; 40 wipes
5252	Mini; 100 wipes

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

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

Disinfection of surfaces.
Use biocides safely. Always read the label and product information before use.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company: Pal International Ltd.

Address: Bilton Way
Lutterworth

Zip code: LE17 4JA

City: Leicestershire

Country: UNITED KINGDOM

Distributor

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

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CLP-classification: Flam. Liq. 2;H225 Eye Irrit. 2;H319
CLP Classification - other information: Liquid in wipes.
Most serious harmful effects: Highly flammable liquid and vapour. Causes serious eye irritation.

2.2. Label elements

Pictograms



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.
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

For professional users only

Areas of use: For disinfection of surfaces and non-invasive medical devices that tolerate alcohol in, e.g., the health and food sector. Not recommended for wood, fabric, natural rubber, painted & paper surfaces, and plastic materials. Please check the device manufacturers guidance on disinfection before use. PT2 & PT4 biocidal product for professional use.

Instructions for use: To be used on clean and dry surfaces. Wipe the surface, so that it is moist according to the stated contact time. For disinfection of 0.5 m² per wipe.

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.

Storage: Always close the packaging after use. Store the wipes in a dry, frost-free environment away from direct sunlight.

Type of formulation: Ready to use wipe.

Active substances: Ethanol: 700 g/kg (CAS 64-17-5), Propan-2-ol: 50 g/kg (CAS 67-63-0).

2.3. Other hazards

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. 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	70 - 80%	13	Flam. Liq. 2;H225 Eye Irrit. 2;H319
propan-2-ol	67-63-0	200-661-7	01-2119457558-25-xxxx	5 - 10%	13	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336

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

13 = The substance has a national exposure limit.

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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:	In case of irritation: Remove contaminated clothing. Wash skin with soap and 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.
General:	When obtaining medical advice, show the safety data sheet or label.

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

Direct eye contact can cause irritation. 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

The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide. Explosive mixtures may form with air when heated/exposed to fire.

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:	Keep unnecessary personnel away. Provide adequate ventilation. Smoking and naked flames prohibited. Wear safety goggles if there is a risk of eye splash.
For emergency responders:	In addition to the above: No special steps are necessary.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

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Sweep up/collect spills for possible reuse or transfer to suitable waste containers. Provide good ventilation.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Smoking and naked flames prohibited. Wash hands before breaks, before using restroom facilities, and at the end of work. A workplace assessment must be conducted to ensure that employees are not exposed to effects that may involve a risk during pregnancy.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed original packaging. Store safely and keep out of reach of children. Keep away from food, beverages and feed.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m3	fiber/cm3	Comments	Remarks
propan-2-ol	8h	400	999			
propan-2-ol	15m	500	1250			
ethanol	8h	1.000	1.920			

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 August 2018.

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			

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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			
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

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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

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:

Follow local work instructions.

Wear gloves. Type of material: Nitrile rubber. Gloves must conform to EN 374. Breakthrough time has not been determined for the product. Change gloves often.

Personal protective equipment, respiratory protection:

Not required for normal expected usage.

In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A. 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	Wipe containing liquid.
Colour	Clear Liquid White Swab
Odour	Alcohol
Solubility	Miscible with the following: Water. (Cleaning fluid)
Explosive properties	Non-explosive
Oxidising properties	N/A

Parameter	Value/unit	Remarks
pH (solution for use)	5.5 - 6.5	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	-89.5 °C	
Initial boiling point and boiling range	No data	
Flash Point	< 23 °C	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	0.785 - 0.875	
Partition coefficient n-octanol/water	No data	

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Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: 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

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

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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.

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

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

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 are not available.

Other toxicological effects: The product does not have to be classified. Test data are not available.
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.

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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
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

Collect concentrated spills and major waste in closed, leak-proof containers for disposal at the applicable hazardous waste site with the below specifications.

Empty packaging material should be disposed of/sorted as plastic and used wipes can be disposed of as household waste. Unused product should be disposed of as hazardous waste.

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.

Category of waste: 14 06 03* other solvents and solvent mixtures

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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN-No.:	3175	14.4. Packing group:	II
14.2. UN proper shipping name:	SOLIDS CONTAINING FLAMMABLE LIQUID, 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):	4.1		
Hazard label(s):	4.1		
Hazard identification number:	40	Tunnel restriction code:	E

Inland water ways transport (ADN)

14.1. UN-No.:	3175	14.4. Packing group:	II
14.2. UN proper shipping name:	SOLIDS CONTAINING FLAMMABLE LIQUID, 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):	4.1		
Hazard label(s):	4.1		
Transport in tank vessels:			

Sea transport (IMDG)

14.1. UN-No.:	3175	14.4. Packing group:	II
14.2. UN proper shipping name:	SOLIDS CONTAINING FLAMMABLE LIQUID, 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):	4.1	Environmental Hazardous Substance Name(s):	
Hazard label(s):	4.1		
EmS:	F-A, S-I	IMDG Code segregation group:	- None -

Air transport (ICAO-TI / IATA-DGR)

14.1. UN-No.:	3175	14.4. Packing group:	II
14.2. UN proper shipping name:	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethanol) (propan-2-ol)	14.5. Environmental hazards:	
14.3. Transport hazard class(es):	4.1		
Hazard label(s):	4.1		

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 kg/inner packaging and max. 30 kg total gross mass. Shrink- or stretch

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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 kg/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 and mixtures (CLP).
 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).
 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).
 United Kingdom labour law.

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
1.1.0	21/11/2019	KiiltoClean A/S (SKP)	2.2, 8, 16
1.0.0	04/10/2019	KiiltoClean A/S (SKP)	New

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

Other Information: Shelf life: 2 years from the manufacturing date (unopened).
 Shelf life: 6 months (after opening).
 Additional information can be obtained by contacting info.dk@kiilto.com or by telephone +45 6471 2112.
 This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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

Date: 21/11/2019

List of relevant H-statements

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

SDS is prepared by

Company: KiiltoClean A/S

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