

According to Regulation (EC) No 1907/2006

PaITECH Antibacterial Wipes



Version number: 1
Issued: 2024-02-21

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

1.1. Product identifier

Trade name

PaITECH Antibacterial Wipes

Article No.

W805110PT, QMP0087

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

Relevant identified uses

For professional users only.

1.3. Details of the supplier of the safety data sheet

Supplier

Pal Hygiene Products Limited

Address

Unit 5B & Unit 5H, Fingal Bay Business Park
Balbriggan
K32 NY57 Co. Dublin
Ireland

Telephone

+44 (0) 1455 555 700

Email

info@palinternational.com

Manufacturer

Pal International Ltd.

Address

Unit 3 Mountpark, Victoria Road, Ellistown, Coalville,
LE69 1FA,
United Kingdom

Telephone

+44(0)1455 555 700

Email

info@palinternational.com

1.4. Emergency telephone number

NHS 111

Available outside office hours

Yes

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Poison center/Additional emergency number

0344 892 0111 - National Poisons Information Service (Belfast Centre)
0344 892 0111 - National Poisons Information Service (Cardif Centre)
0344 892 0111 - National Poisons Information Service Edinburgh
0344 892 0111 - National Poisons Information Service (Birmingham Centre)
+44 20 7188 7188 - Guy's & St Thomas' Poisons Unit
0344 892 0111 - National Poisons Information Service (Newcastle Centre)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Hazardous to the aquatic environment — Chronic hazard category 3

Hazard statements

H412

2.2. Label elements

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulations.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

The product does not contain any substances with endocrine disrupting properties.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrases M factor acute M factor chronic	Note
Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1 270-325-2 - -	<0.35%	Acute Tox. 4 - oral, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1	H302, H314, H318, H400, H410 M-acut=10 M-chro=1	-
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	85409-23-0 287-090-7 01-2120771812-51-xxxx -	<0.35%	Acute Tox. 4 - oral, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1	H302, H314, H318, H400, H410 M-acut=10 M-chro=1	-
Didecyl dimethyl ammonium chloride	7173-51-5 230-525-2 01-2119945987-15-xxxx 612-131-00-6	<0.35%	Acute Tox. 4 - oral, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2	H302, H314, H318, H400, H411 M-acut=10 -	-
Propan-2-ol	67-63-0 200-661-7 01-2119457558-25-xxxx 603-117-00-0	<0.21%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225, H319, H336 - -	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move to fresh air. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth with water. Get medical attention if symptoms occur.

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

No specific symptoms noted.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

None known.

5.2. Special hazards arising from the substance or mixture

In case of fire, toxic gases may be formed (NOx, SOx, COx).

5.3. Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self contained breathing apparatus.

Use personal protective equipment as required.

Other

Measures in case of fire

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate the area. Use personal protective equipment as required. Avoid contact with skin and eyes. Avoid inhalation of vapours. Ensure cleanup is conducted by trained personnel.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Eliminate all ignition sources if safe to do so. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

For personal protection, see section 8.

For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Provide good ventilation. Avoid contact with skin and eyes. Avoid release to the environment.

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General hygiene

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in closed original container in a dry place. Keep away from direct sunlight. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Short-term exposure limit ppm / mg/m ³	Source	Remark	Year
Propan-2-ol	67-63-0	400	500	EH40/2005	-	-
	200-661-7	999	1250			
Turpentine	8006-64-2	100	150	EH40/2005	-	-
	232-350-7	566	850			

8.2. Exposure controls**Appropriate engineering controls**

Provide good ventilation.

Eye / face protection

No special protective equipment required.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash.

Other skin protection

Given the identified use of the product additional skin and body protection should not be required.

Respiratory protection

Under normal conditions of use respiration protection should not be required.

Thermal hazards

Not applicable.

Environmental exposure controls

Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid-impregnated wipe

Colour

White.

Odour

Lemon.

Melting point / freezing point

No data available

Boiling point or initial boiling point and boiling range

No data available

Flammability

No data available

Lower and upper explosion limit

No data available

Flash point

> 60 °C

Method

Abel closed cup

Auto-ignition temperature

No data available

Decomposition temperature

No data available

pH

5.5 - 7.5

Kinematic viscosity

No data available

Solubility

No data available

Partition coefficient n-octanol/water

No data available

Vapour pressure

No data available

Density and/or relative density

No data available

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Relative vapour density

No data available

Particle characteristics

Not applicable

9.2. Other information

No other information noted.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Will not polymerise.

10.4. Conditions to avoid

Extremes of temperatures. Protect against direct sunlight.

10.5. Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
Alkyl (C12-16) dimethylbenzyl ammonium chloride 68424-85-1 / 270-325-2	LD50	344 mg/kg	Oral	-	Rat	-	-
Alkyl (C12-16) dimethylbenzyl	LD50	3412 mg/kg	Dermal	-	Rabbit	-	-

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
ammonium chloride 68424-85-1 / 270-325-2							
Quaternary ammonium compounds, C12-14-alkyl[(ethyl-phenyl)methyl] dimethyl, chlorides 85409-23-0 / 287-090-7	LD50	344 mg/kg	Oral	-	Rat	OECD Test Guideline 401	Information given is based on data obtained from similar substances.
Quaternary ammonium compounds, C12-14-alkyl[(ethyl-phenyl)methyl] dimethyl, chlorides 85409-23-0 / 287-090-7	LC50	2300 mg/kg	Dermal	-	Rabbit	-	Information given is based on data obtained from similar substances.
Propan-2-ol 67-63-0 / 200-661-7	LD50	5840 mg/kg	Oral	-	Rat	OECD Test Guideline 401	-
Propan-2-ol 67-63-0 / 200-661-7	LC50	> 25 mg/l	Inhalation	6 hours	Rat	OECD Test Guideline 403	Vapour
Propan-2-ol 67-63-0 / 200-661-7	LD50	13 900 mg/kg	Dermal	-	Rabbit	OECD Test Guideline 402	-
Propan-2-ol 67-63-0 / 200-661-7	LD50	5045 mg/kg	Oral	-	Rat	-	-
Propan-2-ol 67-63-0 / 200-661-7	LD50	12800 mg/kg	Dermal	-	Rabbit	-	-
Didecyl-dimethylammonium chloride 7173-51-5 / 230-525-2	LD50	238 mg/kg	Oral	-	Rat	OECD 401	-

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
Didecyl-dimethylammonium chloride 7173-51-5 / 230-525-2	LD50	3342 mg/kg	Dermal	-	Rabbit	-	-

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

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.

Aspiration hazard

Not relevant, due to the form of the product.

11.2. Information on other hazards**Endocrine disrupting properties**

The product does not contain any substances with endocrine disrupting properties.

SECTION 12: Ecological information**12.1. Toxicity****Toxicity**

Harmful to aquatic life with long lasting effects.

Acute fish toxicity

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Alkyl (C12-16) dimethylbenzyl ammonium chloride 68424-85-1 / 270-325-2	LC50	0.515 mg/	96 hours	Lepomis macrochirus (Bluegill)	-
Propan-2-ol 67-63-0 / 200-661-7	LC50	9640 mg/l	96 hours	Pimephales promelas	OECD Test Guideline 203
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	LC50	0.19 mg/l	96 hours	Pimephales promelas	-

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline
Alkyl (C12-16) dimethylbenzyl ammonium chloride 68424-85-1 / 270-325-2	ErC50	0.049 mg/l	72 hours	-	Pseudokirchneriella subcapitata (green algae)	OECD Test Guideline 201
Propan-2-ol 67-63-0 / 200-661-7	EC50	> 100 mg/l	72 hours	-	Scenedesmus subspicatus	-
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	ErC50	0.026 mg/l	96 hours	Growth inhibition	Pseudokirchneriella subcapitata	OECD 201

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline
Alkyl (C12-16) dimethylbenzyl ammonium chloride 68424-85-1 / 270-325-2	EC50	0.016 mg/l	48 hours	-	Daphnia magna (Water flea)	OECD Test Guideline 202

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline
Propan-2-ol 67-63-0 / 200-661-7	LC50	9714 mg/l	24 hours	-	Daphnia magna	OECD Test Guideline 202
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	EC50	0.062 mg/l	48 hours	Immobilization	Daphnia magna	-

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline	Remark
Propan-2-ol 67-63-0 / 200-661-7	EC50	> 100 mg/l	-	-	Bacteria	-	No harming action
Didecyl-dimethylammonium chloride 7173-51-5 / 230-525-2	EC50	11 mg/l	3 hours	Respiration inhibition of activated sludge	-	OECD 209	-
Alkyl (C12-16) dimethylbenzyl ammonium chloride 68424-85-1 / 270-325-2	EC50	7.75 mg/l	3 hours	Respiration inhibition of activated sludge	-	OECD Test Guideline 209	-

Chronical toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Alkyl (C12-16) dimethylbenzyl ammonium chloride 68424-85-1 / 270-325-2	NOEC	0.0322 mg/l	34 days	Pimephales promelas (Fat-head Minnow)	-
Alkyl (C12-16) dimethylbenzyl	NOEC	0.456 mg/l	96 hours	Lepomis macrochirus (Bluegill)	-

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
ammonium chloride 68424-85-1 / 270-325-2					
Alkyl (C12-16) dimethylbenzyl ammonium chloride 68424-85-1 / 270-325-2	NOEC	≥ 0.00415 mg/l	21 days	Daphnia magna (Water flea)	-
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides 85409-23-0 / 287-090-7	NOEC	> 0.00415 mg/l	21 days	Daphnia magna (Water flea)	-
Propan-2-ol 67-63-0 / 200-661-7	LOEC	1000 mg/kg	8 days	Algae	-
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	NOEC	0.014 mg/l	21 days	Daphnia magna	-
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	NOEC	0.032 mg/l	34 days	Danio rerio	OECD 210

12.2. Persistence and degradability**Persistence and degradability**

Product / Substance name CAS / EC no.	Duration	Result	Method / Guideline	Remark
Alkyl (C12-16) dimethylbenzyl ammonium chloride 68424-85-1 / 270-325-2	28 days	95.5%	OECD Test Guideline 301B	The substance is readily biodegradable.
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides 85409-23-0 / 287-090-7	28 days	95.5%	OECD Test Guideline 301B	The substance is readily biodegradable. Information given is based on data obtained from similar substances.
Propan-2-ol 67-63-0 / 200-661-7	5 days	53%	-	The substance is readily biodegradable.

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12.3. Bioaccumulative potential

Bioaccumulative potential

Product / Substance name CAS / EC no.	LogKow / LogPow	Bioconcentration factor (BCF)	Remark
Alkyl (C12-16) dimethylbenzyl ammonium chloride 68424-85-1 / 270-325-2	-	79	Does not bioaccumulate
Propan-2-ol 67-63-0 / 200-661-7	0.05	-	Bioaccumulation is unlikely.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

The product does not contain any substances with endocrine disrupting properties.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Where possible recycling is preferred to disposal or incineration. Dispose of waste and residues in accordance with local authority requirements. Do not flush down the toilet. Do not throw in the environment.

Waste code	Waste description
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other

The waste codes are a recommendation. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not applicable

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14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

National regulations

EH40/2005 Workplace exposure limits as amended
Control of Substances Hazardous to Health Regulations (COSHH)
The GB Classification Labelling and Packaging Regulation (GB CLP) - Retained CLP Regulation (EU) No. 1272/2008 as amended for Great Britain
UK Statutory Instrument 2021 No. 904 The REACH etc. (Amendment) Regulations 2021

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Changes to previous revision

Change to Sections: 1, 15

Abbreviations

LC50: Deadly concentration for 50 % of a test population (Lethal Concentration).
LD50: Lethal dose for 50 % of a test population (Lethal Dose).
EC50: The concentration of a substance that affects 50 % of a population over a given period of time (Effective Concentration).
LOEC: The lowest concentration at which effects are observed (Lowest Observed Effect Concentration).
NOEC: The concentration at which no effects are observed (No Observed Effect Concentration).
Kow: Partition coefficient octanol/water. Koc: Partitioning coefficient organic carbon/water.
PBT: Persistent, Bioaccumulative, Toxic.
vPvB: very Persistent, very Bioaccumulative.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.

Evaluation methods for classification

Calculation method.

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Phrase meaning

Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Skin Corr. 1B - Skin corrosion, hazard category 1B
Eye Dam. 1 - Serious eye damage, hazard category 1
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1
Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1
Flam. Liq. 2 - Flammable liquids, hazard category 2
Eye Irrit. 2 - Eye irritation, hazard category 2
STOT SE 3 - Specific Target Organ Toxicity — Single exposure, hazard category 3
Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.