

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
 Trade name : Flash Anti-bac Wipes Lemon  
 Product code : PA00216143

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
 Main use category : Consumer uses: Private households (= general public = consumers)  
 Function or use category : Washing and cleaning products (including solvent based products)

**1.2.2. Uses advised against**

No additional information available

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

Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK

Tel: 01932 896000 Fax: 01932 896200

Retail : sds.im@pg.com  
 Professional : pgsds.im@pg.com

**1.4. Emergency telephone number**

Emergency number : (UK) Emergency Tel: 0800 328 8304(IRL) Emergency Tel: 1800 509 497

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

None

Full text of hazard classes and H-statements : see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Signal word (CLP) : None  
 Hazard statements (CLP) : None  
 Precautionary statements (CLP) : None

**2.3. Other hazards**

Other hazards not contributing to the classification : No presence of PBT and vPvB ingredients.

**SECTION 3: Composition/information on ingredients****3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohol	(CAS No) 64-17-5 (EC No) 200-578-6 (EC Index No) 603-002-00-5 (REACH-no) 01-2119457610-43-0479	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Propylene Glycol Butyl Ether	(CAS No) 5131-66-8 (EC No) 225-878-4	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Didecyldimonium Chloride	(CAS No) 7173-51-5 (EC No) 230-525-2 (REACH-no) 01-2119945987-15	< 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411

Full text of H-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. Discontinue use of product.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

- Symptoms/injuries after inhalation : Coughing. sneezing.
- Symptoms/injuries after skin contact : Redness. Swelling. dryness. Itching.
- Symptoms/injuries after eye contact : Pain. Redness. Swelling.
- Symptoms/injuries after ingestion : Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhea.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

No additional information available

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

Reactivity : No dangerous reactions known.

#### 5.3. Advice for firefighters

No additional information available

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

No additional information available

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

No additional information available

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

No additional information available

#### 7.2. Conditions for safe storage, including any incompatibilities

No additional information available

#### 7.3. Specific end use(s)

Refer to section 1.2.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. National limit values

Alcohol (64-17-5)		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1000 ppm

##### 8.1.2. Monitoring procedures: DNELS, PNECS, OEL

Alcohol (64-17-5)	
DNEL/DMEL (Workers)	

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<b>Alcohol (64-17-5)</b>	
Acute - local effects, inhalation	1900 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - local effects, inhalation	950 mg/m <sup>3</sup>
Long-term - systemic effects, oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.96 mg/l
PNEC aqua (marine water)	0.79 mg/l
PNEC aqua (intermittent, freshwater)	2.75 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	2.9 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.63 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l
<b>Propylene Glycol Butyl Ether (5131-66-8)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	44 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	270.5 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	8.75 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	33.8 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	16 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.525 mg/l
PNEC aqua (marine water)	0.0525 mg/l
PNEC aqua (intermittent, freshwater)	5.25 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	2.36 mg/kg dwt
PNEC sediment (marine water)	0.236 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.16 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l
<b>Didcyldimonium Chloride (7173-51-5)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	8.6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	18.2 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	0.002 mg/l
PNEC aqua (marine water)	0.0002 mg/l
PNEC aqua (intermittent, freshwater)	0.00029 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	2.82 mg/kg dwt
PNEC sediment (marine water)	0.28 mg/kg dwt
PNEC (Soil)	
PNEC soil	1.4 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0.595 mg/l

### 8.2. Exposure controls

- 8.2.1. Appropriate engineering controls : No additional information available
- 8.2.2. Personal protective equipment  
Eye protection : Not applicable.

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Skin and body protection	:	Not applicable.
Respiratory protection	:	Not applicable.
Thermal hazard protection	:	Not applicable.

### 8.2.3. Environmental exposure controls

Prevent that the undiluted product reaches surface waters.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Property	Value	Unit	Test method/Notes
Appearance	Liquid.		
Physical state	Liquid		
Colour	No data available		
Odour	pleasant (perfume).		
Odour threshold		ppm	Perceived odor at typical use conditions
pH			OECD 122
Melting point		°C	Not available. This property is not relevant for the safety and classification of this product
Freezing point			Not available. This property is not relevant for the safety and classification of this product
Boiling point	99 - 105	°C	TMR. A.2.
Flash point	46	°C	Does not sustain combustion up to and including 75°C
Relative evaporation rate (butylacetate=1)			Not available. This property is not relevant for the safety and classification of this product
Flammability (solid, gas)			Not applicable. This property is not relevant for liquid product forms
Explosive limits		g/m <sup>3</sup>	Not available. This property is not relevant for the safety and classification of this product
Vapour pressure			Not available. This property is not relevant for the safety and classification of this product
Relative density			TMR.A.3
Solubility	Soluble in water. TMR. A.6.		
Log Pow			Not applicable. This property is not relevant for mixtures
Auto-ignition temperature			Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature		°C	Not available. This property is not relevant for the safety and classification of this product
Viscosity		cP	(OECD 114 method)
Explosive properties	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties CLP (Art 14 (2)).		
Oxidising properties	Not applicable. This product is not classified as oxidizing as it does not contain any substances which possesses oxidizing properties CLP (Art 14 (2)).		

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

Not required for normal conditions of use.

### 10.5. Incompatible materials

Not applicable.

### 10.6. Hazardous decomposition products

None under normal use.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1. Mixture

Flash Antibac wipes Lemon	
Acute toxicity	Not classified (*)
Skin corrosion/irritation	Not classified (*)
Serious eye damage/irritation	Not classified (*)
Respiratory or skin sensitisation	Not classified (*)
Germ cell mutagenicity	Not classified (*)
Carcinogenicity	Not classified (*)
Reproductive toxicity	Not classified (*)
Specific target organ toxicity (single exposure)	Not classified (*)
Specific target organ toxicity (repeated exposure)	Not classified (*)
Aspiration hazard	Not classified (*)

(\*) Based upon available data of the substances and/or the product, product classification criteria are not met. See Section 2 and Section 16 for applicable hazard classification and classification procedure, respectively.

#### 11.1.2. Substances in the mixture

Acute toxicity:

Alcohol (64-17-5)	
LD50 oral rat	10470 mg/kg bw (OECD 401)
Propylene Glycol Butyl Ether (5131-66-8)	
LD50 oral rat	3300 mg/kg bw (OECD 401)
LD50 dermal rat	> 2000 mg/kg bw (OECD 402)
Didecylidimonium Chloride (7173-51-5)	
LD50 oral rat	329 mg/kg bw (OECD 401)

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : None

Alcohol (64-17-5)	
LC50 fishes 1	14200 mg/l US EPA E03-05; Pimephales promelas; 96 h
LC50 other aquatic organisms 1	> 1000 mg/l OECD 209; 3 h
EC50 Daphnia 1	5012 mg/l ASTM E729-80; Ceriodaphnia dubia; 48 h
ErC50 (algae)	275 mg/l //OECD 201; Chlorella vulgaris; 72 h
NOEC chronic fish	7900 mg/l Oryzias latipes; 8.33 d
NOEC chronic crustacea	9.6 mg/l Ceriodaphnia dubia; 10 d
NOEC chronic algae	11.5 mg/l //OECD 201; Chlorella vulgaris; 3 d
Propylene Glycol Butyl Ether (5131-66-8)	
LC50 fishes 1	> 560 mg/l OECD 203; Poecilia reticulata; 96 h
LC50 other aquatic organisms 1	> 1000 mg/l OECD 209; 3 h
EC50 Daphnia 1	> 1000 mg/l OECD 202; Daphnia magna; 48 h
ErC50 (algae)	> 1000 mg/l Pseudokirchneriella subcapitata; 96 h
NOEC chronic algae	560 mg/l Pseudokirchneriella subcapitata; 4 d
Didecylidimonium Chloride (7173-51-5)	
LC50 fishes 1	0.49 mg/l OECD 203; Danio rerio; 96 h

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<b>Didcyldimonium Chloride (7173-51-5)</b>	
LC50 other aquatic organisms 1	17.9 mg/l OECD 209; 3 h
EC50 Daphnia 1	0.029 mg/l OECD 202; Daphnia magna; 48 h
ErC50 (algae)	0.062 mg/l OECD 201; Pseudokirchneriella subcapitata; 72 h
NOEC (chronic)	4 mg/l OECD 209; 3 h
NOEC chronic crustacea	0.021 mg/l OECD 211; Daphnia magna; 21 d
NOEC chronic algae	0.013 mg/l OECD 201; Pseudokirchneriella subcapitata; 3 d

### 12.2. Persistence and degradability

<b>Alcohol (64-17-5)</b>	
Persistence and degradability	Biodegradable.
Biodegradation	84 % O <sub>2</sub> ; 20 d

<b>Propylene Glycol Butyl Ether (5131-66-8)</b>	
Persistence and degradability	Biodegradable.
Biodegradation	90 % DOC; OECD 301 E; > 70% (10 d)

<b>Didcyldimonium Chloride (7173-51-5)</b>	
Persistence and degradability	Biodegradable.
Biodegradation	71 % CO <sub>2</sub> ; OECD 301 B; 60% (10 d)

### 12.3. Bioaccumulative potential

<b>Alcohol (64-17-5)</b>	
Log Pow	0.35
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

<b>Propylene Glycol Butyl Ether (5131-66-8)</b>	
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

<b>Didcyldimonium Chloride (7173-51-5)</b>	
Log Pow	-41
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

### 12.4. Mobility in soil

<b>Alcohol (64-17-5)</b>	
Mobility in soil	1 QSAR PCKOCWIN v1.66

<b>Didcyldimonium Chloride (7173-51-5)</b>	
Mobility in soil	24433 OECD 106

### 12.5. Results of PBT and vPvB assessment

<b>Flash Antibac wipes Lemon</b>	
Results of PBT assessment	No presence of PBT and vPvB ingredients
<b>Component</b>	
Alcohol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Propylene Glycol Butyl Ether (5131-66-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Didcyldimonium Chloride (7173-51-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

Other information : No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- 13.1.1. Regional legislation (waste) : Disposal must be done according to official regulations.
- 13.1.2. Disposal recommendations : The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. The waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.
- 13.1.3. EURAL Waste code product : 20 01 29\* - detergents containing dangerous substances  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

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### SECTION 14: Transport information

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

CESIO recommendations

: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Other information, restriction and prohibition regulations

: Classification according to Regulation (EC) No. 1272/2008 [CLP]. Regulation (EC) No. 648/2004 of 31 March 2004 on detergents. Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC.

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

#### 16.1. Indication of changes

Indication of changes : Not applicable

#### 16.2. Abbreviations and acronyms

LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC(s): Predicted No Effect Concentration(s). vPvB: Very Persistent and Very Bioaccumulative. DNEL: Derived-No Effect Level.

#### 16.3. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008 [CLP]	classification procedure
Aquatic Chronic 3	Calculation method

#### 16.4. Relevant R-phrases and/or H-statements (number and full text) for mixture and substances

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H225	Highly flammable liquid and vapour

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H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains . May produce an allergic reaction.

### 16.5. Training advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

### 16.6. Further information

Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V

SDS P&G CLP

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*