

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : P&G PROFESSIONAL FLASH Antibacterial Degreaser Spray  
Product code : PA00161978  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Function or use category : Washing and cleaning products (including solvent based products), Biocidal products (e.g. Disinfectants, pest control)

##### 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 : info.uk@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]

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

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

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Warning  
Hazard statements (CLP) : H319 - Causes serious eye irritation  
Precautionary statements (CLP) : P102 - Keep out of reach of children  
P101 - If medical advice is needed, have product container or label at hand  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P501 - Dispose of contents/container to an appropriate local waste system

#### 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

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### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	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	1 - 5	F; R11	Flam. Liq. 2, H225
Propylene Glycol Butyl Ether	(CAS No) 5131-66-8 (EC no) 225-878-4	1 - 5	Xi; R36/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319
C9-11 Pareth-8	(CAS No) 68439-46-3 (EC no) Polymer	1 - 5	Xn; R22 Xi; R41	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Ethanolamine	(CAS No) 141-43-5	< 1	Xn; R20/21/22 C; R34	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 STOT SE 3, H335
Benzalkonium Chloride	(CAS No) 68391-01-5 (EC no) 269-919-4	< 1	Xn; R22 C; R34 N; R50	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10)

Full text of R- and H-phrases: see section 16

## 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/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 immediate medical advice/attention.
- 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. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

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

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

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

Refer to section 4.1.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

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

- Fire hazard : No fire hazard. Non combustible.
- Explosion hazard : Product is not explosive.
- Reactivity : No dangerous reactions known.

### 5.3. Advice for firefighters

- Firefighting instructions : No specific firefighting instructions required.
- Protection during firefighting : In case of inadequate ventilation wear respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable gloves and eye/face protection.

#### 6.1.2. For emergency responders

- Protective equipment : Wear suitable gloves and eye/face protection.

### 6.2. Environmental precautions

Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.

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

- For containment : Scoop absorbed substance into closing containers.
- Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Large spills: contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections

Refer to Sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

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

- Storage conditions : Store in original container. Refer to section 10.
- Incompatible products : Refer to section 10.
- Incompatible materials : Not applicable.
- Prohibitions on mixed storage : Not applicable.
- Storage area : Store in a cool area. Store in a dry area.

### 7.3. Specific end use(s)

Cleaning/washing agents and additives.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Alcohol (64-17-5)	
DNEL/DMEL (Workers)	
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)	580 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

Ethanolamine (141-43-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1 mg/kg bodyweight/day
Long-term - local effects, inhalation	3.3 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	3.75 mg/kg bodyweight/day
Long-term - systemic effects, dermal	0.24 mg/kg bodyweight/day
Long-term - local effects, inhalation	2 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	0.085 mg/l
PNEC aqua (marine water)	0.0085 mg/l
PNEC aqua (intermittent, freshwater)	0.025 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.425 mg/kg dwt

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<b>Ethanolamine (141-43-5)</b>	
PNEC sediment (marine water)	0.0425 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.035 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l
<b>Propylene Glycol Butyl Ether (5131-66-8)</b>	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	50 % in mixture
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)	
Acute - local effects, dermal	50 % in mixture
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
Long-term - local effects, dermal	50 % in mixture
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

### 8.2. Exposure controls

Personal protective equipment	: Not required for normal conditions of use.
Hand protection	: Not applicable.
Eye protection	: Not applicable.
Skin and body protection	: Not applicable.
Respiratory protection	: Not applicable.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Liquid.
Colour	: clear.
Odour	: pleasant (perfume).
Odour threshold	: No data available
pH	: 11
Relative evaporation rate (butylacetate=1)	: Not measured.
Melting point	: Not measured.
Freezing point	: No data available
Boiling point	: Not measured.
Flash point	: > 60
Auto-ignition temperature	: Not measured.
Decomposition temperature	: Not measured.
Flammability (solid, gas)	: Not flammable
Vapour pressure	: Not measured.
Relative vapour density at 20 °C	: Not measured.
Relative density	: No data available
Density	: 995 g/l
Solubility	: Soluble in water.
Log Pow	: No data available

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Log Kow	: No data available
Viscosity	: 1 cP
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Product is not explosive

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 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

Acute toxicity : Not classified

P&G PROFESSIONAL FLASH Antibacterial Degreaser Spray	
LD50 oral calculated	> 2000 mg/kg
<b>Alcohol (64-17-5)</b>	
LD50 oral calculated	10470 mg/kg OECD 301 B
LD50 dermal rat	15800 mg/kg
LC50 inhalation rat (mg/l)	117 mg/l/4h OECD 403
ATE CLP (oral)	10470 mg/kg bodyweight
ATE CLP (dermal)	15800 mg/kg bodyweight
ATE CLP (vapours)	117.000 mg/l/4h
ATE CLP (dust,mist)	117.000 mg/l/4h
<b>Benzalkonium Chloride (68391-01-5)</b>	
ATE CLP (oral)	500.00000 mg/kg
<b>Ethanolamine (141-43-5)</b>	
LD50 oral calculated	1089 mg/kg OECD 401
LD50 dermal rabbit	1000 mg/kg
ATE CLP (oral)	1089 mg/kg bodyweight
ATE CLP (dermal)	1000 mg/kg bodyweight
ATE CLP (dust,mist)	1.500 mg/l/4h
<b>Propylene Glycol Butyl Ether (5131-66-8)</b>	
LD50 oral calculated	3300 mg/kg
LD50 dermal rat	2001 mg/kg
LC50 inhalation rat (mg/l)	20.1 mg/l/4h
ATE CLP (oral)	3300 mg/kg bodyweight
ATE CLP (dermal)	2001 mg/kg bodyweight
ATE CLP (vapours)	20.100 mg/l/4h
ATE CLP (dust,mist)	20.100 mg/l/4h
<b>C9-11 Pareth-8 (68439-46-3)</b>	
ATE CLP (oral)	500 mg/kg bodyweight

Skin corrosion/irritation : Not classified  
pH: 11

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Serious eye damage/irritation	: Causes serious eye irritation. pH: 11
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
Potential Adverse human health effects and symptoms	: Acute Toxicity: based upon available data of the substances, classification criteria are not met. Carcinogenicity: based upon available data of the substances, classification criteria are not met. Corrosivity: based upon available data of the substances, classification criteria are not met. Toxicity for Reproduction: based upon available data of the substances, classification criteria are not met. Sensitization: based upon available data of the substances, classification criteria are not met. Repeated Dose Toxicity: based upon available data of the substances, classification criteria are not met. Mutagenicity: based upon available data of the substances, classification criteria are not met. Irritation: based upon available preparation data and bridging principles, classification criteria are not met.
Other information	: Likely routes of exposure: skin and eye. Information on Effects: refer to section 4.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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Alcohol (64-17-5)	
LC50 fishes 1	15300 mg/l <i>Pimephales promelas</i>
LC50 other aquatic organisms 1	590 mg/l <i>Spirostomum ambiguum</i>
EC50 Daphnia 1	5012 mg/l <i>Ceriodaphnia dubia</i>
LC50 other aquatic organisms 2	4432 mg/l
ErC50 (algae)	275 mg/l OECD 201, <i>Chlorella vulgaris</i>
NOEC chronic fish	245 mg/l
NOEC chronic crustacea	9.6 mg/l <i>Daphnia magna</i>

Benzalkonium Chloride (68391-01-5)	
EC50 Daphnia 1	= 0.016 mg/l

Ethanolamine (141-43-5)	
LC50 fishes 1	349 mg/l <i>Cyprinus carpio</i>
LC50 other aquatic organisms 1	1000 mg/l OECD 209
EC50 Daphnia 1	65 mg/l <i>Daphnia magna</i>
ErC50 (algae)	2.5 mg/l <i>Selenastrum capricornutum</i>
NOEC chronic fish	1.2 mg/l OECD 210, <i>Oryzias latipes</i>

Propylene Glycol Butyl Ether (5131-66-8)	
LC50 fishes 1	560 mg/l OECD 203; <i>Poecilia reticulata</i>
LC50 other aquatic organisms 1	1000 mg/l OECD 209
EC50 Daphnia 1	1000 mg/l OECD 202; <i>Daphnia magna</i>
ErC50 (algae)	1000 mg/l OECD 201; <i>Pseudokirchneriella subcapitata</i>
NOEC chronic fish	560 mg/l
NOEC chronic algae	560 mg/l OECD 201; <i>Pseudokirchneriella subcapitata</i>

### 12.2. Persistence and degradability

Alcohol (64-17-5)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
BOD (% of ThOD)	74 % ThOD

Ethanolamine (141-43-5)	
BOD (% of ThOD)	> 90 % ThOD OECD 301 A

Propylene Glycol Butyl Ether (5131-66-8)	
Biodegradation	82 %

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### 12.3. Bioaccumulative potential

Alcohol (64-17-5)	
Bioconcentration factor (BCF REACH)	1
Log Pow	-0.35 24 C, pH 7
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

Ethanolamine (141-43-5)	
Log Pow	-2.3 OECD 107, pH6.8 7.3, 25 C
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

Propylene Glycol Butyl Ether (5131-66-8)	
Log Pow	1.2

### 12.4. Mobility in soil

Ethanolamine (141-43-5)	
Log Koc	1.167

### 12.5. Results of PBT and vPvB assessment

P&G PROFESSIONAL FLASH Antibacterial Degreaser Spray	
Results of PBT assessment	No presence of PBT and vPvB ingredients
Component	
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
Ethanolamine (141-43-5)	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
Sodium Citrate (68-04-2)	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

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste 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. Where possible recycling is preferred to disposal or incineration.  
. Empty, uncleaned packaging need the same disposal considerations as filled packaging.

EURAL code : 20 01 29\* - detergents containing dangerous substances  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

## 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

Ingredient label : <5% Non-ionic surfactants; Disinfectants.

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

#### 15.1.1. EU-Regulations

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No REACH Annex XVII restrictions

Contains no REACH candidate substance

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.

### 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

Data sources : Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]. Calculation method.

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

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

Full text of R-, H- and EUH-phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
R11	Highly flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R22	Harmful if swallowed
R34	Causes burns
R36/38	Irritating to eyes and skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

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*