

According to Regulation (EC) No. 1907/2006 (REACH) and its amendment Regulation (EU) 2015/830

Issuing Date: 16-Oct-2018

Revision Date: 16-Oct-2018

Version 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product Form	Mixture
Product Name	P&G Professional C4 (Dilute) Fabric and Air Refresher
Product Identifier	PA00224263_PGP_CLP_EUR
Product group	Trade Product

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

Recommended Use	Restricted to professional users
Main user category	SU 22 - Professional uses
Use category	PC35 - Washing and cleaning products (including solvent based products)
Uses advised against	No information available

Product category	All-Purpose Cleaners Spray
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### 1.3 Details of the supplier of the safety data sheet

Details of the supplier of the safety data sheet	Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200
E-mail Address	pgsds.im@pg.com

### 1.4 Emergency Telephone Number

Emergency Telephone	(UK) Emergency Tel: 0800 328 8304 (IRL) Emergency Tel: 1800 509 497
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## Section 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Adverse human health effects and symptoms

No information available

### 2.2 Label elements

#### Label according to Regulation (EC) No. 1272/2008

Hazard pictograms	None
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Signal Word	None
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Precautionary Statements	P102 - Keep out of reach of children P260 - Do not breathe spray
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EU Specific Hazard Statements	EUH210 - Safety data sheet available on request.
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### 2.3 Other hazards

Other hazards which do not result in classification	No presence of PBT and vPvB ingredients.
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### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable.

#### 3.2 Mixtures

Chemical Name	CAS-No	EC-No	REACH Registration No	Weight-%	GHS / CLP Classification 1272/2008 [CLP]	M-Factor (chronic)	M-Factor (acute)
Didecylidimonium Chloride	7173-51-5	230-525-2	01-2119945987-15	<1	Acute Tox. 4 (Oral)(H302) Skin Corr. 1B(H314) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)	1	10

For the full text of the H-Statements mentioned in this Section, see Section 16.

### Section 4: FIRST AID MEASURES

#### 4.1 Description of first-aid measures

<b>Inhalation</b>	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 exposed or you feel unwell.
<b>Skin contact</b>	IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get immediate medical advice/attention.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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

<b>Symptoms/injuries after inhalation</b>	Coughing. Sneezing.
<b>Symptoms/injuries after skin contact</b>	Redness. Swelling. Dryness. Itching.
<b>Symptoms/injuries after eye contact</b>	Severe pain. Redness. Swelling. Blurred vision.
<b>Symptoms/injuries after ingestion</b>	Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhea.

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

Refer to section 4.1.

### Section 5: FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media** Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>).

**Extinguishing Media Which Must Not Be Used For Safety Reasons** Not applicable.

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

<b>Fire Hazard</b>	No fire hazard. Non-combustible.
<b>Explosion hazard</b>	Product is not explosive.
<b>Reactivity</b>	No dangerous reaction known under conditions of normal use.

#### 5.3 Advice for firefighters

<b>Special protective equipment for fire-fighters</b>	No specific firefighting instructions required.
<b>Protective equipment and precautions for firefighters</b>	In case of inadequate ventilation wear respiratory protection.

### Section 6: ACCIDENTAL RELEASE MEASURES

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

**For non-emergency personnel** Wear suitable gloves and eye/face protection.  
**Advice for emergency responders** Wear suitable gloves and eye/face protection.

### 6.2 Environmental precautions

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

### 6.3 Methods and materials for containment and cleaning up

**Methods 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.  
**Other information** Not applicable.

### 6.4 Reference to other sections

**Other information** Refer to Sections 8 and 13.

## Section 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Advice on 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

**Technical measures/Storage conditions** Store in original container. Refer to section 10.  
**Incompatible products** Refer to section 10.  
**Incompatible materials** Refer to section 10.  
**Prohibitions on mixed storage** Not applicable.  
**Requirements for storage rooms and containers** Store in a cool area. Store in a dry area.

### 7.3 Specific end uses

Cleaning/washing agents and additives.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**National Occupational Exposure Limits** No information available

#### Derived No Effect Level (DNEL)

##### Workers

Chemical Name	CAS-No	Worker - inhalative, short-term - local	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic
Didecyldimonium Chloride	7173-51-5		8.6 mg/kg bw/d	18.2 mg/m <sup>3</sup>

#### Predicted No Effect Concentration (PNEC)

Chemical Name	CAS-No	Fresh Water	Marine water	Intermittent release
Didecyldimonium Chloride	7173-51-5	0.002 mg/L	0.0002 mg/L	0.00029 mg/L

Chemical Name	CAS-No	Freshwater sediment	Marine sediment	Sewage treatment plant
Didecyldimonium Chloride	7173-51-5	2.82 mg/kg sediment	0.28 mg/kg sediment	0.595 mg/L

		dw	dw	
Chemical Name	CAS-No	Soil	air	Oral
Didecylidimonium Chloride	7173-51-5	1.4 mg/kg soil dw		

## 8.2 Exposure controls

<b>Appropriate engineering controls</b>	No information available
<b>Personal protective equipment</b>	Protective personal equipment only required in case of professional use or for large packs (not for household packs). For consumer use please follow recommendation as indicated on the label of the product.
<b>Hand Protection</b>	Not applicable.
<b>Eye Protection</b>	Wear eye/face protection.
<b>Skin and Body Protection</b>	Not applicable.
<b>Respiratory Protection</b>	Not applicable.
<b>Thermal hazards</b>	Not applicable.
<b>Environmental exposure controls</b>	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 / Units	Test Method / Notes
Appearance	Liquid	
Physical State @20°C	Liquid	
Color	Colorless	
Odor	pleasant (perfume)	
Odor threshold	No data available	Perceived odor at typical use conditions
pH	6.82	
Melting Point / Freezing Point	No data available	Not available. This property is not relevant for the safety and classification of this product
Boiling point / boiling range	No data available	
Flash point	No data available	
Relative Evaporation Rate (butylacetate=1)	No data available	Not available. This property is not relevant for the safety and classification of this product
Flammability (solid, gas)	Not applicable	Not applicable. This property is not relevant for liquid product forms
Upper/lower flammability or explosive limits	No data available	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	No data available	Not available. This property is not relevant for the safety and classification of this product
Relative density	No data available	
Solubility	Soluble in water	
Partition Coefficient (n-octanol/water)	Not available	
Autoignition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Viscosity	1	
Explosive properties	No data available	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties CLP (Art 14 (2)).
Oxidizing properties	No data available	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

Other information No 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

See section 10.1 on reactivity for more information.

### 10.4 Conditions to Avoid

None under normal use conditions.

### 10.5 Incompatible materials

Not applicable.

### 10.6 Hazardous Decomposition Products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Mixture

<b>Acute toxicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Skin sensitization</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Respiratory sensitization</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>STOT - single exposure</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Not Classified. Based on the available data, the classification criteria are not met.

#### Substances in the mixture

Chemical Name	CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Didecyldimonium Chloride	7173-51-5	329 mg/kg bw (OECD 401)	-	-

## Section 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Ecotoxicity effects

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.

#### Acute toxicity

Chemical Name	CAS-No	Toxicity to Fish (LC50)	Toxicity to algae (EC50)	Toxicity to daphnia and other aquatic invertebrates (EC50)*	Toxicity to Microorganisms (EC50)*
Didecyldimonium Chloride	7173-51-5	0.49 mg/L (OECD 203; Danio rerio; 96 h)	0.062 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	0.029 mg/L (OECD 202; Daphnia magna; 48 h)	17.9 mg/L (OECD 209; 3 h)

#### Chronic Toxicity

Chemical Name	CAS-No	Toxicity to fish (NOEC or ECx)*	Toxicity to algae (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*

Didecyldimonium Chloride	7173-51-5		0.013 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)	0.021 mg/L (OECD 211; Daphnia magna; 21 d)	4 mg/L (OECD 209; 3 h)
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## 12.2 Persistence and degradability

### Persistence and degradability

Chemical Name	CAS-No	Persistence and degradability	Ready Biodegradation Test (OECD 301)
Didecyldimonium Chloride	7173-51-5	Biodegradable.	71% CO <sub>2</sub> ; OECD 301 B; 60% (10 d)

## 12.3 Bioaccumulative potential

**Bioaccumulative potential** No information available.

Chemical Name	CAS-No	Bioaccumulative potential	Octanol/water partition coefficient
Didecyldimonium Chloride	7173-51-5	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	-0.41

## 12.4 Mobility in soil

**Mobility** No information available.

Chemical Name	CAS-No	log Koc
Didecyldimonium Chloride	7173-51-5	24433 (OECD 106)

## 12.5 Results of PBT and vPvB assessment

**PBT and vPvB assessment** This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## 12.6 Other adverse effects

**Other adverse effects** No information available.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Waste from Residues/Unused Products** Dispose of in accordance with local regulations.

#### Disposal Recommendations

The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. 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. For handling waste, see measures described in section 7.

#### EWC Waste Disposal No

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

### 13.2 Additional information

## Section 14: TRANSPORT INFORMATION

### IMDG

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 regulated  
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code No information available

### IATA

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 regulated

**ADR**

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 regulated

**RID**

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental Hazards	Not regulated

**ADN**

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental Hazards	Not regulated

**Section 15: REGULATORY INFORMATION**

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

Perfumes

**EU Regulations**

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended** Contains no REACH substances with Annex XVII restrictions.

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended** Contains no substance on the REACH candidate list.

**Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation** 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 regulations, restrictions and prohibition regulations** Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]. Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006).

**National regulatory information**

No information available

**15.2 Chemical Safety Assessment**

**Chemical Safety Assessment** No chemical safety assessment has been carried out for this mixture per REACH regulation.

## Section 16: OTHER INFORMATION

### 16.1 Indication of changes

Issuing Date:	16-Oct-2018
Revision Date:	16-Oct-2018
Reason for revision	Not applicable

### 16.2 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE: Acute Toxicity Estimate  
DNEL: Derived No Effect Level  
IATA: International Air Transport Association  
IMDG: International Maritime Dangerous Goods Code  
LC50: Lethal Concentration to 50% of a test population  
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)  
OEL: Occupational Exposure Limit  
PBT: Persistent, Bioaccumulative and Toxic substance  
PNEC(s): Predicted No Effect Concentration(s)  
REACH- Registration, Evaluation and Authorization of Chemicals  
vPvB: Very Persistent and Very Bioaccumulative

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

### 16.4 Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H400 - Very toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and its amendment Regulation (EU) 2015/830

### 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.

*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.*

**End of SDS**