

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : P&G PROFESSIONAL Ariel  
Product code : PA00195471  
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)

##### 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

Professional: customerservice@pgprof.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-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]

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  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell

#### 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 Regulation (EC) No. 1272/2008 [CLP]
Sodium C10-13 Alkyl Benzenesulfonate	(CAS No) 68411-30-3 (EC no) 270-115-0 (REACH-no) 01-2119489428-22	5 - 10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
C12-14 Pareth-7	(CAS No) 68439-50-9 (EC no) polymer	1 - 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412
C14-15 Pareth-n	(CAS No) 68951-67-7 (EC no) Polymer	1 - 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
MEA Dodecylbenzenesulfonate	(CAS No) 85480-55-3 (EC no) 287-335-8 (REACH-no) 01-2119905842-39	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of 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 or doctor/physician if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get 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: 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 : Severe pain. Redness. Swelling. Blurred vision.
- Symptoms/injuries after ingestion : Oral mucosal or gastro-intestinal irritation. Nausea. Excessive secretion. Diarrhea. Vomiting.

### 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 (CO2).

### 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.

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

- For containment : Scoop absorbed substance into closing containers.

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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

: Avoid contact with eyes. Use personal protective equipment as required. 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

: Refer to section 10.

Prohibitions on mixed storage

: Not applicable.

Storage area

: Store in a cool area. Store in a dry area.

### 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

No additional information available

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

MEA Dodecylbenzenesulfonate (85480-55-3)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal		170 mg/kg bodyweight/day
Long-term - systemic effects, inhalation		12 mg/m <sup>3</sup>
Long-term - local effects, inhalation		12 mg/m <sup>3</sup>
DNEL/DMEL (General population)		
Long-term - systemic effects, oral		0.85 mg/kg bodyweight/day
Long-term - systemic effects, inhalation		3 mg/m <sup>3</sup>
Long-term - systemic effects, dermal		85 mg/kg bodyweight/day
Long-term - local effects, inhalation		3 mg/m <sup>3</sup>
PNEC (Water)		
PNEC aqua (freshwater)		0.268 mg/l
PNEC aqua (marine water)		0.0268 mg/l
PNEC aqua (intermittent, freshwater)		0.0167 mg/l
PNEC (Sediment)		
PNEC sediment (freshwater)		8.1 mg/kg dwt
PNEC sediment (marine water)		8.1 mg/kg dwt
PNEC (Soil)		
PNEC soil		35 mg/kg dwt
PNEC (STP)		
PNEC sewage treatment plant		3.43 mg/l
Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal		170 mg/kg bodyweight/day
Long-term - systemic effects, inhalation		12 mg/m <sup>3</sup>
Long-term - local effects, inhalation		12 mg/m <sup>3</sup>
DNEL/DMEL (General population)		
Long-term - systemic effects, oral		0.85 mg/kg bodyweight/day
Long-term - systemic effects, inhalation		3 mg/m <sup>3</sup>
Long-term - systemic effects, dermal		85 mg/kg bodyweight/day
Long-term - local effects, inhalation		3 mg/m <sup>3</sup>
PNEC (Water)		
PNEC aqua (freshwater)		0.268 mg/l

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### Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)

PNEC aqua (marine water)	0.0268 mg/l
PNEC aqua (intermittent, freshwater)	0.0167 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	8.1 mg/kg dwt
PNEC sediment (marine water)	8.1 mg/kg dwt
PNEC (Soil)	
PNEC soil	35 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	3.43 mg/l

### 8.2. Exposure controls

8.2.1. Appropriate engineering controls : Not applicable.

8.2.2. Personal protective equipment

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.

Hand protection : Not applicable.

Eye protection : Wear eye/face protection.

Skin and body protection : Not applicable.

Respiratory 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	Coloured.		
Odour	pleasant (perfume).		
Odour threshold		ppm	Perceived odor at typical use conditions
pH	8.3 - 8.75		
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	> 90	°C	
Flash point		°C	No flash point till boiling
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		vol %	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	1.06		
Solubility	Soluble in water.		
Log Pow			Not applicable. This property is not relevant for mixtures

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Property	Value	Unit	Test method/Notes
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	280 - 800	cP	
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.

### 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 Ariel	
LD50 oral calculated	> 2000 mg/kg
MEA Dodecylbenzenesulfonate (85480-55-3)	
LD50 oral rat	1570 mg/kg
LD50 dermal rat	> 2000 mg/kg OECD 402
ATE CLP (oral)	1570 mg/kg bodyweight
C12-14 Pareth-7 (68439-50-9)	
LD50 oral rat	> 300 mg/kg
LD50 dermal rat	2001 mg/kg
ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (dermal)	2001 mg/kg bodyweight
Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
LD50 oral rat	1080 mg/kg bodyweight OECD 401
LD50 dermal rat	> 2000 mg/kg bodyweight OECD 402
ATE CLP (oral)	1080 mg/kg bodyweight
C14-15 Pareth-n (68951-67-7)	
LD50 oral rat	> 300 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (dermal)	2001 mg/kg bodyweight

Skin corrosion/irritation : Not classified

pH: 8.3 - 8.75

Serious eye damage/irritation : Causes serious eye irritation.

pH: 8.3 - 8.75

Respiratory or skin sensitisation : Not classified

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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. Irritation: severely irritant to eyes. Mutagenicity: 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. Sensitization: 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.
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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MEA Dodecylbenzenesulfonate (85480-55-3)	
LC50 fishes 1	1.67 mg/l US EPA, 1975; <i>Lepomis macrochirus</i> ; 96 h
EC50 Daphnia 1	2.4 mg/l <i>Limnodrilus hoffmeisteri</i> ; 96 h
ErC50 (algae)	1.44 mg/l OECD 201; <i>Desmodesmus subspicatus</i> ; 72 h
NOEC chronic fish	0.23 mg/l <i>Oncorhynchus mykiss</i> ; 72 d
NOEC chronic crustacea	1.18 mg/l // OECD 211; <i>Daphnia magna</i> ; 21 d
NOEC chronic algae	< 1.28 mg/l OECD 201; <i>Desmodesmus subspicatus</i> ; 3 d
C12-14 Pareth-7 (68439-50-9)	
LC50 fishes 1	10 mg/l
EC50 Daphnia 1	10 mg/l
ErC50 (algae)	10 mg/l
Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
LC50 fishes 1	1.67 mg/l US EPA 850.1075; <i>Lepomis macrochirus</i> ; 96 h
EC50 Daphnia 1	2.9 mg/l OECD 202; <i>Daphnia magna</i> ; 48 h
ErC50 (algae)	127.9 mg/l 88/302/EWG; <i>Desmodesmus subspicatus</i> ; 72 h
NOEC chronic fish	0.23 mg/l <i>Oncorhynchus mykiss</i> ; 72 d
NOEC chronic crustacea	0.5 mg/l <i>Ceriodaphnia</i> sp.; 7 d
NOEC chronic algae	2.4 mg/l 88/302/EWG; <i>Desmodesmus subspicatus</i> ; 3 d
C14-15 Pareth-n (68951-67-7)	
LC50 fishes 1	< 1 mg/l
LC50 other aquatic organisms 1	> 100 mg/l
EC50 Daphnia 1	< 1 mg/l
ErC50 (algae)	< 1 mg/l

### 12.2. Persistence and degradability

MEA Dodecylbenzenesulfonate (85480-55-3)	
Persistence and degradability	Biodegradable.
Biodegradation	85 % CO <sub>2</sub> ; 29 d; OECD 301 B; 70% (10 d)
C12-14 Pareth-7 (68439-50-9)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
Biodegradation	> 70 %
Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
Persistence and degradability	Biodegradable.
Biodegradation	85 % OECD 301 B
C14-15 Pareth-n (68951-67-7)	
Persistence and degradability	Biodegradable.

### 12.3. Bioaccumulative potential

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MEA Dodecylbenzenesulfonate (85480-55-3)	
Log Pow	1.73
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).
Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
BCF fish 1	2 - 1000 l/kg
Log Pow	1.4 OECD 123; 23 °C; pH: 6.1
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).
C14-15 Pareth-n (68951-67-7)	
Bioaccumulative potential	Not measured.

### 12.4. Mobility in soil

MEA Dodecylbenzenesulfonate (85480-55-3)	
Log Koc	1.167
Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
Log Koc	3.5

### 12.5. Results of PBT and vPvB assessment

P&G PROFESSIONAL Ariel	
Results of PBT assessment	No presence of PBT and vPvB ingredients
Component	
MEA Dodecylbenzenesulfonate (85480-55-3)	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 C10-13 Alkyl Benzenesulfonate (68411-30-3)	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. Where possible recycling is preferred to disposal or incineration. . 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<br>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 : 5-15% Anionic surfactants, Non-ionic surfactants; <5% Phosphonates, Soap; Enzymes, Optical brighteners, Methylisothiazolinone, Benzisothiazolinone, Perfumes, Alpha-isomethyl ionone, Citronellol, Geraniol, Linalool.

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

#### 15.1.1. EU-Regulations

Contains no 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

No additional information available

### 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
Eye Irrit. 2	Weight of evidence Expert judgment

### 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 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects.

### 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

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*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*