

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Ariel Professional Pods 3in1 Regular  
Product code : PA00209739 / 91088774, 91088775  
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]

Skin Irrit. 2 H315

Eye Dam. 1 H318

Aquatic Chronic 3 H412

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]

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazard statements (CLP) : H318 - Causes serious eye damage  
H315 - Causes skin irritation  
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) : P102 - Keep out of reach of children  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P302 - IF ON SKIN: Take off immediately all contaminated clothing  
P352 - Wash with plenty of Water  
P310 - Immediately call a POISON CENTER/doctor  
P501 - Dispose of contents/container to an appropriate local waste system

EUH-statements : EUH208 - Contains Citronellol, Tetramethyl Acetyloctahydronaphthalenes. May produce an allergic reaction

#### 2.3. Other hazards

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

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### 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]
MEA Dodecylbenzenesulfonate	(CAS No) 85480-55-3 (EC No) 287-335-8 (REACH-no) 01-2119905842-39	20 - 30	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
MEA-Laureth Sulfate	(CAS No) 162201-45-8 (EC No) Polymer	10 - 20	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
C12-14 Parath-7	(CAS No) 68439-50-9 (EC No) polymer	1 - 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Tetramethyl Acetyloctahydronaphthalenes	(CAS No) 54464-57-2 (EC No) 259-174-3 (REACH-no) 01-2119489989-04	< 1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410
Citronellol	(CAS No) 106-22-9 (EC No) 203-375-0 (REACH-no) 01-2119453995-23	< 1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319

Full text of H-statements: 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. 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. 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/effects after inhalation	: Coughing. sneezing.
Symptoms/effects after skin contact	: Redness. Swelling. dryness. Itching.
Symptoms/effects after eye contact	: Severe pain. Redness. Swelling. Blurred vision.
Symptoms/effects 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

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.

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### 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.  
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 : Avoid contact with skin, eyes and clothing.

### 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 skin. 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)

Cleaning/washing agents and additives.

## 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

<b>MEA Dodecylbenzenesulfonate (85480-55-3)</b>	
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)	0.027 mg/l
PNEC aqua (intermittent, freshwater)	0.017 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
<b>Citronellol (106-22-9)</b>	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	2.95 mg/cm <sup>2</sup>
Acute - local effects, inhalation	10 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	327.4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	161.6 mg/m <sup>3</sup>
Long-term - local effects, inhalation	10 mg/m <sup>3</sup>

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Citronellol (106-22-9)	
DNEL/DMEL (General population)	
Acute - local effects, dermal	2.95 mg/cm <sup>2</sup>
Acute - local effects, inhalation	10 mg/m <sup>3</sup>
Long-term - systemic effects, oral	13.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	47.8 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	196.4 mg/kg bodyweight/day
Long-term - local effects, inhalation	10 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	0.0024 mg/l
PNEC aqua (marine water)	0.00024 mg/l
PNEC aqua (intermittent, freshwater)	0.024 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.0256 mg/kg dwt
PNEC sediment (marine water)	0.00256 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.00371 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l

### 8.2. Exposure controls

- 8.2.1. Appropriate engineering controls : No additional information available
- 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 : Household gloves.  
Eye protection : Safety glasses.  
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	7.4		
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			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

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Property	Value	Unit	Test method/Notes
Explosive limits		vol %	Not available. This property is not relevant for the safety and classification of this product 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		
Solubility	Soluble in water.		
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	300 - 700	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

#### 11.1.1. Mixture

Ariel Professional Pods 3in1 Regular	
Acute toxicity	Not classified (*)
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
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.

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### 11.1.2. Substances in the mixture

Acute toxicity:

<b>MEA Dodecylbenzenesulfonate (85480-55-3)</b>	
LD50 oral rat	1080 mg/kg bw (OECD 401)
LD50 dermal rat	> 2000 mg/kg bw (OECD 402)
<b>C12-14 Pareth-7 (68439-50-9)</b>	
LD50 oral rat	> 300-2000 mg/kg bw
LD50 dermal rat	> 5000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<b>MEA Dodecylbenzenesulfonate (85480-55-3)</b>	
LC50 fishes 1	1.67 mg/l US EPA, 1975; Lepomis macrochirus; 96 h
EC50 Daphnia 1	2.4 mg/l Limnodrilus hoffmeisteri; 96 h
ErC50 (algae)	1.44 mg/l OECD 201; Desmodesmus subspicatus; 72 h
NOEC chronic fish	0.23 mg/l Oncorhynchus mykiss; 72 d
NOEC chronic crustacea	1.18 mg/l //OECD 211; Daphnia magna; 21 d
NOEC chronic algae	< 1.28 mg/l OECD 201; Desmodesmus subspicatus; 3 d
<b>C12-14 Pareth-7 (68439-50-9)</b>	
LC50 fishes 1	10 mg/l > 1 - 10 mg/L (OECD 203; Cyprinus carpio)
EC50 Daphnia 1	10 mg/l > 1 - 10 mg/L (OECD 202; Daphnia magna)
ErC50 (algae)	10 mg/l > 1 - 10 mg/L (OECD 201; Desmodesmus subspicatus)
<b>Citronellol (106-22-9)</b>	
LC50 fishes 1	14.66 mg/l DIN 38 412, part L15; Leuciscus idus; 96 h
LC50 other aquatic organisms 1	> 10000 mg/l DIN 38412, Part 27; Pseudomonas putida; 0.5 h
EC50 Daphnia 1	17.48 mg/l EC 440/2008 C.2; Daphnia magna; 48 h
ErC50 (algae)	2.4 mg/l Scenedesmus subspicatus; 72 h
NOEC (chronic)	580 mg/l DIN 38412, Part 27; Pseudomonas putida; 0.02083 d
NOEC chronic algae	1.1 mg/l Scenedesmus subspicatus; 3 d

### 12.2. Persistence and degradability

<b>MEA Dodecylbenzenesulfonate (85480-55-3)</b>	
Persistence and degradability	Biodegradable.
Biodegradation	85 % CO <sub>2</sub> ; 29 d; OECD 301 B; 70% (10 d)
<b>C12-14 Pareth-7 (68439-50-9)</b>	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
Biodegradation	> 70 %
<b>Citronellol (106-22-9)</b>	
Persistence and degradability	Biodegradable.
Biodegradation	80 % O <sub>2</sub> ; OECD 301 F

### 12.3. Bioaccumulative potential

<b>Ariel Professional Pods 3in1 Regular</b>	
Log Kow	Not applicable. This property is not relevant for mixtures
<b>MEA Dodecylbenzenesulfonate (85480-55-3)</b>	
Log Pow	173
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).
<b>Citronellol (106-22-9)</b>	
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

### 12.4. Mobility in soil

<b>MEA Dodecylbenzenesulfonate (85480-55-3)</b>	
Mobility in soil	1.167 QSAR SRC PCKOC v2.0
Log Koc	1
<b>Citronellol (106-22-9)</b>	
Mobility in soil	70.79 QSAR PCKOCWIN v1.66

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### 12.5. Results of PBT and vPvB assessment

Ariel Professional Pods 3in1 Regular	
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
Citronellol (106-22-9)	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. EURL Waste code product : 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 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

Ingredient label : >30% Anionic surfactants; 5-15% Soap; <5% Non-ionic surfactants, Phosphonates; Enzymes , Optical brighteners, Perfumes, Alpha-isomethyl ionone, Citronellol, Coumarin, Linalool.

### 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.

#### 15.1.2. National regulations

No additional information available

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### 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. AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ATE: Acute Toxicity Estimate. OEL: Occupational Exposure Limit. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. 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
Skin Irrit. 2	Calculation method
Eye Dam. 1	Calculation method
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 Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, 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
Skin Sens. 1B	Sensitisation — Skin, category 1B
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H410	Very 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*