

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

| 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 ³ |
| Long-term - local effects, inhalation | 12 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 0.85 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 3 mg/m ³ |
| Long-term - systemic effects, dermal | 85 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 3 mg/m ³ |
| 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 |
| Citronellol (106-22-9) | |
| DNEL/DMEL (Workers) | |
| Acute - local effects, dermal | 2.95 mg/cm ² |
| Acute - local effects, inhalation | 10 mg/m ³ |
| Long-term - systemic effects, dermal | 327.4 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 161.6 mg/m ³ |
| Long-term - local effects, inhalation | 10 mg/m ³ |

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| Citronellol (106-22-9) | |
|--|----------------------------|
| DNEL/DMEL (General population) | |
| Acute - local effects, dermal | 2.95 mg/cm ² |
| Acute - local effects, inhalation | 10 mg/m ³ |
| Long-term - systemic effects, oral | 13.8 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 47.8 mg/m ³ |
| Long-term - systemic effects, dermal | 196.4 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 10 mg/m ³ |
| 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:

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

| MEA Dodecylbenzenesulfonate (85480-55-3) | |
|---|--|
| 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 |
| C12-14 Pareth-7 (68439-50-9) | |
| 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) |
| Citronellol (106-22-9) | |
| 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

| MEA Dodecylbenzenesulfonate (85480-55-3) | |
|---|--|
| Persistence and degradability | Biodegradable. |
| Biodegradation | 85 % CO ₂ ; 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 % |
| Citronellol (106-22-9) | |
| Persistence and degradability | Biodegradable. |
| Biodegradation | 80 % O ₂ ; OECD 301 F |

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

| MEA Dodecylbenzenesulfonate (85480-55-3) | |
|---|---------------------------|
| Mobility in soil | 1.167 QSAR SRC PCKOC v2.0 |
| Log Koc | 1 |
| Citronellol (106-22-9) | |
| 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. EURAL 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