

According to Regulation (EC) No. 1907/2006 (REACH) and its latest amendment

Issuing Date: 27-Nov-2019

Revision date 27-Nov-2019

Version 1

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

1.1 Product identifier

| | |
|--------------------|--|
| Product Form | Mixture |
| Product Name | Fairy Professional Dishwasher Capsules All in One Original |
| Product Identifier | 90586419_A_PGP_CLP_EUR |
| Synonyms | PA00233983 |
| 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 | Auto Dish unit dose |
|------------------|---------------------|

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 | customerservice@pgprof.com |

1.4 Emergency Telephone Number

| | |
|---------------------|---|
| Emergency Telephone | (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 and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Serious eye damage/eye irritation Category 1 - (H318)

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



Signal Word

DANGER

Hazard statements

H318 - Causes serious eye damage

Precautionary Statements

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing
P102 - Keep out of reach of children
P101 - If medical advice is needed, have product container or label at hand
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
Drink small amount of water to dilute
P280 - Wear eye protection
P310 - Immediately call a POISON CENTER or doctor/physician

2.3 Other hazards

Other hazards which do not result in classification No presence of PBT and vPvB ingredients.

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) |
|---------------------------------|-------------|-----------|-----------------------|----------|--|--------------------|------------------|
| Sodium Carbonate | 497-19-8 | 207-838-8 | 01-2119485498-19 | >30 | Eye Irrit. 2(H319) | 1 | 1 |
| Sodium Carbonate Peroxide | 15630-89-4 | 239-707-6 | 01-2119457268-30 | 5 - 10 | Ox. Sol. 3(H272) Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318) | 1 | 1 |
| Tetrasodium Etidronate | 3794-83-0 | 223-267-7 | 01-2119647955-23 | 1 - 5 | Acute Tox. 4 (Oral)(H302) Eye Irrit. 2(H319) | 1 | 1 |
| PEG/PPG-10/2 Propylheptyl Ether | 166736-08-9 | Polymer | | 1 - 5 | Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Irrit. 2(H319) | 1 | 1 |
| Trideceth-n | 69011-36-5 | Polymer | | 1 - 5 | Eye Dam. 1(H318) | 1 | 1 |

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

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 exposed or you feel unwell.

Skin contact IF ON SKIN: Wash with plenty of water and soap. Remove/Take off immediately all contaminated clothing. Discontinue use of product. Immediately call a POISON CENTER or doctor/physician.

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.

Ingestion IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Drink small amount of water to dilute. 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. 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 (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 reaction known under conditions of normal use.

5.3 Advice for firefighters

Special protective equipment for fire-fighters No specific firefighting instructions required.

Protective equipment and precautions for firefighters No information available.

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 Large spills: scoop solid spill into closing containers. Small quantities of solid spill: wash down with water. 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

Other information Refer to Sections 8 and 13.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Use personal protective equipment as required. Avoid dust formation. 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. Keep away from heat.

7.3 Specific end uses

Refer to section 1.2.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National Occupational Exposure Limits

Derived No Effect Level (DNEL)

Workers

| Chemical Name | CAS No | Worker - dermal, short-term - systemic | Worker - inhalative, short-term - systemic | Worker - dermal, short-term - local |
|---------------------------|------------|--|--|-------------------------------------|
| Sodium Carbonate Peroxide | 15630-89-4 | | | 12.8 mg/kg bodyweight/day |

| Chemical Name | CAS No | Worker - inhalative, short-term - local | Worker - dermal, long-term - systemic | Worker - inhalative, long-term - systemic |
|------------------------|-----------|---|---------------------------------------|---|
| Tetrasodium Etidronate | 3794-83-0 | 10 mg/m ³ | 48 mg/kg bw/d | 16.9 mg/m ³ |

| Chemical Name | CAS No | Worker - dermal, long-term - local | Worker - inhalative, long-term - local |
|---------------------------|------------|------------------------------------|--|
| Sodium Carbonate | 497-19-8 | | 10 mg/m ³ |
| Sodium Carbonate Peroxide | 15630-89-4 | 12.8 mg/cm ² | 5 mg/m ³ |
| Tetrasodium Etidronate | 3794-83-0 | | 10 mg/m ³ |

Consumers

| Chemical Name | CAS No | Consumer - inhalative, short-term - local | Consumer - dermal, short-term - local | Consumer - oral, short-term - systemic |
|------------------------|-----------|---|---------------------------------------|--|
| Tetrasodium Etidronate | 3794-83-0 | 10 mg/m ³ | | |

| Chemical Name | CAS No | Consumer - oral, long-term - systemic | Consumer - inhalative, long-term - local | Consumer - dermal, long-term - local |
|------------------------|-----------|---------------------------------------|--|--------------------------------------|
| Tetrasodium Etidronate | 3794-83-0 | 2.1 mg/kg bw/d | 10 mg/m ³ | |

| Chemical Name | CAS No | Consumer - inhalative, long-term - systemic | Consumer - dermal, long-term - systemic |
|------------------------|-----------|---|---|
| Tetrasodium Etidronate | 3794-83-0 | 4.2 mg/m ³ | 24 mg/kg bw/d |

Predicted No Effect Concentration (PNEC)

| Chemical Name | CAS No | Fresh Water | Marine water | Intermittent release |
|---------------------------|------------|-------------------------------|-------------------------------|-------------------------------|
| Sodium Carbonate | 497-19-8 | no data; no toxicity expected | no data; no toxicity expected | no data; no toxicity expected |
| Sodium Carbonate Peroxide | 15630-89-4 | 0.035 mg/L | 0.035 mg/L | 0.035 mg/L |
| Tetrasodium Etidronate | 3794-83-0 | 0.096 mg/L | 0.01 mg/L | |

| Chemical Name | CAS No | Freshwater sediment | Marine sediment | Sewage treatment plant |
|---------------------------|------------|-------------------------------|-------------------------------|-------------------------------|
| Sodium Carbonate | 497-19-8 | no data; no toxicity expected | no data; no toxicity expected | no data; no toxicity expected |
| Sodium Carbonate Peroxide | 15630-89-4 | | | 16.24 mg/L |
| Tetrasodium Etidronate | 3794-83-0 | 42 mg/kg sediment dw | 4.2 mg/kg sediment dw | 58 mg/L |

| Chemical Name | CAS No | Soil | air | Oral |
|------------------------|-----------|-------------------------------|-----|------|
| Sodium Carbonate | 497-19-8 | no data; no toxicity expected | | |
| Tetrasodium Etidronate | 3794-83-0 | 14 mg/kg soil dw | | |

8.2 Exposure controls

Appropriate engineering controls No information available

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.

Thermal hazards Not applicable.

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 / Units | Test Method / Notes |
|---|---|--|
| Appearance | dual-phase pouch: speckled powder with liquid top | |
| Physical state | Solid | |
| Color | colored | |
| Odor | Pleasant | |
| Odor threshold | No data available | Perceived odor at typical use conditions |
| pH | No data available | Solid 10 - 11 Liquid 6 - 8.5 |
| 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 | Not applicable. This property is not relevant for solid product forms |
| Flash point | No data available | Not applicable. This property is not relevant for solid product forms |
| Relative Evaporation Rate (butylacetate=1) | No data available | Not applicable. This property is not relevant for solid product forms |
| Flammability (solid, gas) | Not applicable | Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties |
| 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 applicable. This property is not relevant for solid product forms |
| Relative density | No data available | |
| Solubility | Soluble in water | |
| Partition Coefficient (n-octanol/water) | Not available | Not available. This property is not relevant for the safety and classification of this product |
| Autoignition temperature | 74.7 °C | UN Test H.1: United States SADT test |
| Decomposition temperature | No data available | Not available. This property is not relevant for the safety and classification of this product |
| Viscosity | No data available | Not applicable. This property is not relevant for solid product forms |
| 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 | Product is not an oxidizer -UN.O.1 | |

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

| | |
|--|---|
| Acute toxicity | Not Classified. Based on the available data, the classification criteria are not met. |
| Skin corrosion/irritation | Not Classified. Based on the available data, the classification criteria are not met. |
| Serious eye damage/eye irritation | Causes serious eye damage. |
| Skin sensitization | Not Classified. Based on the available data, the classification criteria are not met. |
| Respiratory sensitization | Not Classified. Based on the available data, the classification criteria are not met. |
| Germ cell mutagenicity | Not Classified. Based on the available data, the classification criteria are not met. |
| Carcinogenicity | Not Classified. Based on the available data, the classification criteria are not met. |
| Reproductive toxicity | Not Classified. Based on the available data, the classification criteria are not met. |
| STOT - single exposure | Not Classified. Based on the available data, the classification criteria are not met. |
| STOT - repeated exposure | Not Classified. Based on the available data, the classification criteria are not met. |
| Aspiration hazard | 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 |
|---------------------------------|-------------|----------------------------|---|-----------------|
| Sodium Carbonate | 497-19-8 | 2800 mg/kg bw | > 2000 mg/kg bw (US EPA 16 CFR 1500.40) | - |
| Sodium Carbonate Peroxide | 15630-89-4 | 893 mg/kg bw (US EPA 1984) | > 2000 mg/kg bw (US EPA) | - |
| Tetrasodium Etidronate | 3794-83-0 | 940 mg/kg bw (//OECD 401) | > 1650 mg/kg bw (//OECD 402) | - |
| PEG/PPG-10/2 Propylheptyl Ether | 166736-08-9 | >300-2000 mg/kg bw | - | - |
| Trideceth-n | 69011-36-5 | >300-2000 mg/kg bw | > 2000 mg/kg bw (OECD 402) | - |

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 | Fish | Algae/aquatic plants | Crustacea | Toxicity to microorganisms |
|---------------------------|------------|--|----------------------|--|----------------------------|
| Sodium Carbonate | 497-19-8 | 300 mg/L (Lepomis macrochirus; 96 h) | - | 200 mg/L (Ceriodaphnia sp.; 48 h) | - |
| Sodium Carbonate Peroxide | 15630-89-4 | 70.7 mg/L (Pimephales promelas; 96 h) | - | 4.9 mg/L (Daphnia pulex; 48 h) | - |
| Tetrasodium Etidronate | 3794-83-0 | 195 mg/L (//OECD 204; Oncorhynchus mykiss; 96 h) | - | 527 mg/L (//OECD 202; Daphnia magna; 48 h) | - |
| Trideceth-n | 69011-36-5 | 10 mg/l | 10 mg/l | 10 mg/l | - |

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)* |
|------------------------|-----------|---------------------------------|----------------------------------|--|---|
| Tetrasodium Etidronate | 3794-83-0 | | | 6.75 mg/L (US EPA) | 200 mg/L (11 d) |

| | | | | | |
|--|--|--|--|--|--|
| | | | | 66013-75-009; Daphnia magna; 28 d) | |
|--|--|--|--|--|--|

12.2 Persistence and degradability

Persistence and degradability

| Chemical Name | CAS No | Persistence and degradability | Ready Biodegradation Test (OECD 301) |
|------------------------|------------|-------------------------------------|--------------------------------------|
| Tetrasodium Etidronate | 3794-83-0 | | 22.9% BOD/COD; 5 d; //ISO 5815 |
| Trideceth-n | 69011-36-5 | Biodegradable. Unlikely to persist. | >60% |

12.3 Bioaccumulative potential

Bioaccumulative potential

No information available.

| Chemical Name | CAS No | Bioaccumulative potential | Octanol/water partition coefficient |
|---------------------------|------------|--|-------------------------------------|
| Sodium Carbonate | 497-19-8 | Not measured | |
| Sodium Carbonate Peroxide | 15630-89-4 | Not measured | |
| Tetrasodium Etidronate | 3794-83-0 | Not expected to bioaccumulate due to the low log Kow (log Kow < 4) | -3 |

12.4 Mobility in soil

Mobility

No information available.

| Chemical Name | CAS No | log Koc |
|------------------------|-----------|---------|
| Tetrasodium Etidronate | 3794-83-0 | 16610 |

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 Marine pollutant | Not regulated |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC | No information available |

Code

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 Marine pollutant | 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 Marine pollutant | Not regulated |

RID

| | |
|---------------------------------|----------------|
| 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 Marine pollutant | Not regulated |

ADN

| | |
|---------------------------------|----------------|
| 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 Marine pollutant | Not regulated |

Section 15: REGULATORY INFORMATION

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

EU Regulations

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

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

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

Regulation (EC) No. 648/2004 (Detergents regulation). Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]. Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

National regulatory information

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: 27-Nov-2019
Revision date 27-Nov-2019
Revision Note 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
EC50: Calculated concentration causing a 50% reduction in cellular reproduction
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)
OECD - Organization for Economic Cooperation and Development
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]

Serious eye damage/eye irritation

Category 1 - Calculation method

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

H272 - May intensify fire; oxidizer
H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation

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