

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

Issuing Date: 25-Sep-2020

Revision date 25-Sep-2020

Revision Number 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 Detergent
Product Identifier	99792345_PGP_CLP_EUR
Synonyms	PA00228589
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 gel/liquid

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]

Skin corrosion/irritation	Category 1 - (H314)
Corrosive to metals	Category 1 - (H290)

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 H314 - Causes severe skin burns and eye damage

H290 - May be corrosive to metals

Precautionary Statements

P101 - If medical advice is needed, have product container or label at hand
 P102 - Keep out of reach of children
 P260 - Do not breathe vapours
 P280 - Wear protective gloves/eye protection
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 - Immediately call a POISON CENTER/doctor
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water [or shower]

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 relevant.

3.2 Mixtures

Chemical name	CAS No	EC No	REACH Registration No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	M-Factor (long-term)	M-Factor
Sodium Hydroxide	1310-73-2	215-185-5	01-2119457892-27	5 - 10	Met. Corr. 1(H290) Skin Corr. 1A(H314)		
Tetrasodium Etidronate	3794-83-0	223-267-7	01-2119647955-23	1 - 5	Acute Tox. 4 (Oral)(H302) Eye Irrit. 2(H319)		
Potassium Hydroxide	1310-58-3	215-181-3	01-2119487136-33	<1	Met. Corr. 1(H290) Acute Tox. 4 (Oral)(H302) Skin Corr. 1A(H314)		

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. Take off contaminated clothing and wash before reuse. 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. Immediately call a POISON CENTER or doctor/physician. Drink small amount of water to dilute.

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).

Extinguishing Media Which Must Not Be Used For Safety Reasons Not relevant.

5.2 Special hazards arising from the substance or mixture

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 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.

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. Avoid contact with skin. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

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 relevant.

Requirements for storage rooms and containers Store in a cool area. Store in a dry area. Store in a cool, well ventilated area.

7.3 Specific end uses

Refer to section 1.2.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National Occupational Exposure Limits

Chemical name	CAS No	Norway	Ireland	United Kingdom	European Union
Sodium Hydroxide	1310-73-2	Ceiling: 2 mg/m ³	STEL: 2 mg/m ³	STEL: 2 mg/m ³	
Potassium Hydroxide	1310-58-3	Ceiling: 2 mg/m ³	STEL: 2 mg/m ³	STEL: 2 mg/m ³	

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
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 Hydroxide	1310-73-2		1 mg/m ³
Tetrasodium Etidronate	3794-83-0		10 mg/m ³
Potassium Hydroxide	1310-58-3		1 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
Tetrasodium Etidronate	3794-83-0	0.096 mg/L	0.01 mg/L	

Chemical name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
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
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 Wear protective gloves.

Eye Protection Wear eye/face protection.

Skin and Body Protection Wear suitable protective clothing.

Respiratory Protection Not relevant.

Thermal hazards Not relevant.

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	Liquid	
Physical state	Liquid	
Color	Colorless	

Odor	pleasant (perfume)	
Odor threshold	No Data Available	Perceived odor at typical use conditions
pH	13	
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 relevant	
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	1-1.3	
Solubility	Soluble in water	
Partition coefficient	Not available	Not applicable. This property is not relevant for mixtures
Autoignition temperature	73.9 - 74.7 °C	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	No Data Available	
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 relevant.

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	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Not Classified. Based on the available data, the classification criteria are not met.
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
Tetrasodium Etidronate	3794-83-0	940 mg/kg bw (//OECD 401)	> 1650 mg/kg bw (//OECD 402)	-
Potassium Hydroxide	1310-58-3	333 mg/kg bw (//OECD 425)	-	-

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 Hydroxide	1310-73-2	-	-	40.4 mg/L (Ceriodaphnia sp.; 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)	-

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 66013-75-009; Daphnia magna; 28 d)	200 mg/L (11 d)

12.2 Persistence and degradability

Persistence and degradability

Chemical name	CAS No	Persistence and degradability	Ready Biodegradation Test (OECD 301)	Biodegradation Other Tests
Tetrasodium Etidronate	3794-83-0		22.9% BOD/COD; 5 d; //ISO 5815	6.7 % (Read across data on Etidronic acid; guideline not indicated; Iowa Farm Soil; CO2 evolution; 119 d)

12.3 Bioaccumulative potential

Bioaccumulative potential No information available.

Chemical name	CAS No	Bioaccumulative potential	Octanol/water partition coefficient
Sodium Hydroxide	1310-73-2	Not measured	
Tetrasodium Etidronate	3794-83-0	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	-3
Potassium Hydroxide	1310-58-3	Not measured	

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

Note: The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size

IMDG

14.1 UN number UN1719
14.2 UN proper shipping name CAUSTIC ALKALI LIQUID, N.O.S.
Description UN1719, CAUSTIC ALKALI LIQUID, N.O.S.(Sodium hydroxide, Potassium hydroxide), 8, II
14.3 Transport hazard class(es) 8
14.4 Packing group II
14.5 Marine pollutant Not regulated
EmS-No F-A, S-B
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code No information available

IMDG Comment The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size

IATA

14.1 UN number UN1719
14.2 UN proper shipping name CAUSTIC ALKALI LIQUID, N.O.S.
Description UN1719, CAUSTIC ALKALI LIQUID, N.O.S.(Sodium hydroxide, Potassium hydroxide), 8, II
14.3 Transport hazard class(es) 8
14.4 Packing group II
14.5 Marine pollutant Not regulated
Comments

ADR

14.1 UN number UN1719
14.2 UN proper shipping name CAUSTIC ALKALI LIQUID, N.O.S.

Description	UN1719, CAUSTIC ALKALI LIQUID, N.O.S.(Sodium hydroxide, Potassium hydroxide), 8, II
14.3 Transport hazard class(es)	8
14.4 Packing group	II
14.5 Marine pollutant	Not regulated
Classification code	C5
Labels	8

RID

14.1 UN number	UN1719
14.2 UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S.
Description	UN1719, CAUSTIC ALKALI LIQUID, N.O.S.(Sodium hydroxide, Potassium hydroxide), 8, II
14.3 Transport hazard class(es)	8
14.4 Packing group	II
14.5 Marine pollutant	Not regulated
Classification code	C5
Labels	8

ADN

14.1 UN number	UN1719
14.2 UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S.
Description	UN1719, CAUSTIC ALKALI LIQUID, N.O.S.(Sodium hydroxide, Potassium hydroxide), 8, II
14.3 Transport hazard class(es)	8
14.4 Packing group	II
14.5 Marine pollutant	Not regulated
Classification code	C5
Hazard label(s)	8
Limited quantity (LQ)	1 L
Equipment Requirements	PP, EP

Section 15: REGULATORY INFORMATION

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

<5% Polycarboxylates, <5% Phosphonates

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 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, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006). Classification according to EU Directives 67/548/EEC or 1999/45/EC.

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:	25-Sep-2020
Revision date	25-Sep-2020
Revision Note	Not relevant

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]

Skin corrosion/irritation

Category 1 - Calculation method

Physical Hazards

Corrosive to metals Category 1 - Calculation method

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

H290 - May be corrosive to metals
H302 - Harmful if swallowed
H314 - Causes severe skin burns and 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