

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

1.1. Product identifier

Product form : Mixture
 Trade name : P&G PROFESSIONAL FAIRY Auto System - Auto Dish Detergent
 Product code : PA00179242
 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

Retail /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]

Met. Corr. 1 H290

Skin Corr. 1A H314

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

C; R35

Full text of R-phrases: 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) :

H290 - May be corrosive to metals
 H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) :

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 and 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): Take off immediately all contaminated clothing. Rinse skin with water

2.3. Other hazards

Other hazards not contributing to the classification

: No presence of PBT and vPvB ingredients.

P&G PROFESSIONAL FAIRY Auto System - Auto Dish Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6 (REACH-no) 01-2119457892-27	10 - 20	C; R35	Met. Corr. 1, H290 Skin Corr. 1A, H314
Etidronic Acid	(CAS No) 2809-21-4 (EC no) 220-552-8	1 - 5	Xn; R22 Xi; R41	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Potassium Hydroxide	(CAS No) 1310-58-3 (EC no) 215-181-3 (EC index no) 019-002-00-8 (REACH-no) 01-2119487136-33	1 - 5	Xn; R22 C; R35	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314

Full text of R- and 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/doctor/physician if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of Water. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor/physician. 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. 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: 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.
- Other information : Avoid contact with skin, eyes and clothing.

P&G PROFESSIONAL FAIRY Auto System - Auto Dish Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

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. Avoid contact with skin. 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 : Not applicable.
Prohibitions on mixed storage : Not applicable.
Storage area : Store in a cool area. Store in a dry area. Store in a cool and well-ventilated place.

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

Potassium Hydroxide (1310-58-3)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	1 mg/m ³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	1 mg/m ³
Etidronic Acid (2809-21-4)	
DNEL/DMEL (General population)	
Acute - systemic effects, oral	6.5 mg/kg bodyweight
Long-term - systemic effects, oral	6.5 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.136 mg/l
PNEC aqua (marine water)	0.014 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	59 mg/kg dwt
PNEC sediment (marine water)	5.9 mg/kg dwt
PNEC (Soil)	
PNEC soil	96 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	20 mg/l
Sodium Hydroxide (1310-73-2)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	1 mg/m ³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	1 mg/m ³

8.2. Exposure controls

- 8.2.1. Appropriate engineering controls : No additional information available
- 8.2.2. Personal protective equipment
- Eye protection : Wear eye/face protection.
 - Skin and body protection : Not applicable.
 - Respiratory protection : Not applicable.
 - Thermal hazard protection : Not applicable.
- 8.2.3. Environmental exposure controls

P&G PROFESSIONAL FAIRY Auto System - Auto Dish Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Not available

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	Clear.		
Odour	odourless.		
Odour threshold	No data available		
pH	13		
Melting point	No data available		
Freezing point	No data available		
Boiling point	No data available		
Flash point	> 60	°C	
Relative evaporation rate (butylacetate=1)	No data available		
Flammability (solid, gas)	No data available		
Explosive limits	No data available		
Vapour pressure	No data available		
Relative density	No data available		
Solubility	Soluble in water.		
Log Pow	No data available		
Auto-ignition temperature	No data available		
Decomposition temperature	No data available		
Viscosity	No data available		
Explosive properties	No additional information available		
Oxidising properties	No additional information available		

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 FAIRY Auto System - Auto Dish Detergent	
LD50 oral calculated	> 2000 mg/kg
Potassium Hydroxide (1310-58-3)	
LD50 oral rat	333 mg/kg

P&G PROFESSIONAL FAIRY Auto System - Auto Dish Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Potassium Hydroxide (1310-58-3)	
ATE CLP (oral)	333 mg/kg bodyweight
Etidronic Acid (2809-21-4)	
LD50 oral rat	1878 mg/kg
LD50 dermal rabbit	6000 mg/kg
ATE CLP (oral)	1878 mg/kg bodyweight
ATE CLP (dermal)	6000 mg/kg bodyweight

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 13
Serious eye damage/irritation	: Serious eye damage, category 1, implicit pH: 13
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
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. 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. Corrosivity: may cause severe burns.
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.
-------------------	---

Etidronic Acid (2809-21-4)	
LC50 fishes 1	200 mg/l OECD 204, Oncorhynchus mykiss
LC50 other aquatic organisms 1	3561 mg/l hotobacterium phosphoreum
EC50 Daphnia 1	527 mg/l Daphnia magna
LC50 other aquatic organisms 2	1000 mg/l OECD 207; Eisenia fetida
ErC50 (algae)	7.23 mg/l Pseudokirchnerella subcapitata
NOEC (chronic)	200 mg/l
NOEC chronic crustacea	6.75 mg/l Daphnia magna
NOEC chronic algae	13 mg/l Pseudokirchnerella subcapitata

Sodium Hydroxide (1310-73-2)	
EC50 Daphnia 1	40.4 mg/l Ceriodaphnia

12.2. Persistence and degradability

Etidronic Acid (2809-21-4)	
Biodegradation	10 %

12.3. Bioaccumulative potential

Potassium Hydroxide (1310-58-3)	
Bioaccumulative potential	Not measured.

Etidronic Acid (2809-21-4)	
Bioconcentration factor (BCF REACH)	71
Log Pow	-3.5
Bioaccumulative potential	No ecological damage caused by this product.

P&G PROFESSIONAL FAIRY Auto System - Auto Dish Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Sodium Hydroxide (1310-73-2)	
Bioaccumulative potential	Not measured.

12.4. Mobility in soil

Etidronic Acid (2809-21-4)	
Log Koc	16610

12.5. Results of PBT and vPvB assessment

P&G PROFESSIONAL FAIRY Auto System - Auto Dish Detergent	
Results of PBT assessment	No presence of PBT and vPvB ingredients
Component	
Potassium Hydroxide (1310-58-3)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
Etidronic Acid (2809-21-4)	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 Hydroxide (1310-73-2)	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

UN-No : 1719
UN-No. (ICAO) : 1760

14.2. UN proper shipping name

Proper Shipping Name : CAUSTIC ALKALI LIQUID, N.O.S.
Transport document description : UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (Sodium Hydroxide), 8, III, (E)

14.3. Transport hazard class(es)

Class (UN) : 8
Class (ICAO) : 8 - Corrosive substances
Danger labels (UN) : 8



14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

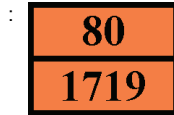
Transport regulations (ADR) : Subject to the provisions
Transport regulations (RID) : Subject to the provisions
Hazard identification number (Kemler No.) : 80
Classification code (UN) : C5

P&G PROFESSIONAL FAIRY Auto System - Auto Dish Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Orange plates



Special provisions (ADR) : 274
Transport category (ADR) : 3
Tunnel restriction code : E
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1

14.6.2. Transport by sea

Transport regulations (IMDG) : Subject to the provisions

14.6.3. Air transport

Transport regulations (IATA) : Subject to the provisions

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% Phosphonates, Polycarboxylates.

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

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.

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
Met. Corr. 1	Calculation method On basis of test data
Skin Corr. 1A	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
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
R22	Harmful if swallowed
R35	Causes severe burns
R41	Risk of serious damage to eyes
C	Corrosive

P&G PROFESSIONAL FAIRY Auto System - Auto Dish Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Xi	Irritant
Xn	Harmful

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