

### 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 Lemon  
 Product code : PA00178144  
 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]

Eye Irrit. 2 H319

Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

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

Xi; R36

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) : Warning

Hazard statements (CLP) : H319 - Causes serious eye 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  
 P337+P313 - If eye irritation persists: Get medical advice/attention  
 P501 - Dispose of contents/container to an appropriate local waste system

#### 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 Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Lauryl Sulphate	(CAS No) 1231880-35-5 (REACH-no) 01-2119582870-31	10 - 20	Xn; R22 Xi; R41 Xi; R38	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sodium C12-14 Pareth-3 Sulfate	(CAS No) 68891-38-3 (EC no) Polymer	5 - 10	Xi; R41 Xi; R38	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Lauramine Oxide	(CAS No) 308062-28-4 (EC no) 931-292-6 (REACH-no) 01-2119490061-47	5 - 10	Xn; R22 Xi; R41 Xi; R38 N; R50	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

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 or doctor/physician if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. 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/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 (CO<sub>2</sub>).

#### 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.

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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.

### 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. 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.

### 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

<b>Lauramine Oxide (308062-28-4)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	11 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6.2 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.44 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.53 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	5.5 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.0335 mg/l
PNEC aqua (marine water)	0.00335 mg/l
PNEC aqua (intermittent, freshwater)	0.0335 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	5.24 mg/kg dwt
PNEC sediment (marine water)	0.524 mg/kg dwt
PNEC (Soil)	
PNEC soil	1.02 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	24 mg/l

<b>Sodium Lauryl Sulphate (1231880-35-5)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	4060 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	285 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - local effects, inhalation	>= mg/m <sup>3</sup>
Long-term - systemic effects, oral	24 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	85 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2440 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.0782 mg/l
PNEC aqua (marine water)	0.00782 mg/l
PNEC aqua (intermittent, freshwater)	0.036 mg/l
PNEC (Sediment)	

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Sodium Lauryl Sulphate (1231880-35-5)	
PNEC sediment (freshwater)	4.52 mg/kg dwt
PNEC sediment (marine water)	0.452 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.86 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1084 mg/l

### 8.2. Exposure controls

- 8.2.1. Appropriate engineering controls : Not applicable.
- 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 : Not applicable.  
Eye protection : Wear eye/face protection.  
Skin and body protection : Not applicable.  
Respiratory protection : Not applicable.
- 8.2.3. Environmental exposure controls  
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	Coloured.		
Odour	pleasant (perfume).		
Odour threshold	No data available		
pH	9.00		
Melting point	No data available		
Freezing point	No data available		
Boiling point	No data available		
Flash point	95 - 100	°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	900	cP	
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.

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### 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 Lemon	
LD50 oral calculated	> 2000 mg/kg
Lauramine Oxide (308062-28-4)	
LD50 oral rat	1064 mg/kg OECD 401
LD50 dermal rat	> 2000 mg/kg OECD 402
ATE CLP (oral)	1064 mg/kg bodyweight
Sodium C12-14 Pareth-3 Sulfate (68891-38-3)	
LD50 oral rat	4100 mg/kg
LD50 dermal rat	2001 mg/kg
ATE CLP (oral)	4100 mg/kg bodyweight
ATE CLP (dermal)	2001 mg/kg bodyweight
Sodium Lauryl Sulphate (1231880-35-5)	
LD50 oral rat	1063 mg/kg //OECD 401
LD50 dermal rabbit	> 500 mg/kg bodyweight //OECD 402
ATE CLP (oral)	1063 mg/kg bodyweight

Skin corrosion/irritation : Not classified  
pH: 9.00

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 9.00

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. Corrosivity: based upon available data of the substances, classification criteria are not met. Irritation: severely irritant to eyes. 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.

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

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<b>Lauramine Oxide (308062-28-4)</b>	
LC50 fishes 1	2.67 mg/l Pimephales promelas
EC50 Daphnia 1	3.1 mg/l OECD 202; Daphnia magna
ErC50 (algae)	0.266 mg/l //OECD 201; Pseudokirchneriella subcapitata
NOEC (chronic)	24 mg/l EC10; Pseudomonas putida
NOEC chronic fish	0.42 mg/l //US EPA OPPTS 850.1500; Pimephales promelas
NOEC chronic crustacea	0.7 mg/l //OECD 211; Daphnia magna
NOEC chronic algae	0.078 mg/l //OECD 201; Pseudokirchneriella subcapitata

<b>Sodium Lauryl Sulphate (1231880-35-5)</b>	
LC50 fishes 1	3.6 mg/l OECD 203; Oncorhynchus mykiss
EC50 Daphnia 1	4.7 mg/l Daphnia magna
ErC50 (algae)	> 20 mg/l EC 440/2008 C.3; Scenedesmus subspicatus
NOEC (chronic)	1083.85 mg/l DIN 38412; Pseudomonas putida
NOEC chronic fish	0.11 mg/l //OECD 210; Pimephales promelas
NOEC chronic crustacea	0.14 mg/l OECD 202; Daphnia magna
NOEC chronic algae	0.6 mg/l EC 440/2008 C.3; Scenedesmus subspicatus

### 12.2. Persistence and degradability

<b>Lauramine Oxide (308062-28-4)</b>	
Persistence and degradability	Biodegradable.
Biodegradation	90 % OECD 301 B

<b>Sodium Lauryl Sulphate (1231880-35-5)</b>	
Biodegradation	95.3 % OECD 301 E

### 12.3. Bioaccumulative potential

<b>Lauramine Oxide (308062-28-4)</b>	
Log Pow	< 2.7
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

<b>Sodium Lauryl Sulphate (1231880-35-5)</b>	
Log Pow	1.9
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

### 12.4. Mobility in soil

<b>Lauramine Oxide (308062-28-4)</b>	
Mobility in soil	307 OECD 106; 23.6 °C

<b>Sodium Lauryl Sulphate (1231880-35-5)</b>	
Mobility in soil	608 - 642 25 °C

### 12.5. Results of PBT and vPvB assessment

<b>P&amp;G Professional FAIRY Lemon</b>	
Results of PBT assessment	No presence of PBT and vPvB ingredients
Component	
Alcohol (64-17-5)	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
Lauramine Oxide (308062-28-4)	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)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
Sodium C12-14 Alkyl Sulfate (85586-07-8)	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
2-Propylheptanol ethoxylated (160875-66-1)	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 Lauryl Sulphate (1231880-35-5)	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.

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### 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 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

Ingredient label : 15-30% Anionic surfactants; 5-15% Non-ionic surfactants; Phenoxyethanol, Methylisothiazolinone, Perfumes.

#### 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
Eye Irrit. 2	On basis of test data
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
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Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
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
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R22	Harmful if swallowed
R36	Irritating to eyes
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms
N	Dangerous for the environment
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*