

P&G Professional FAIRY Manual Washing Up Liquid # 1 & 1.1

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 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 |
| Sodium C12-14 Alkyl Sulfate | (CAS No) 85586-07-8 (EC no) 287-809-4 (REACH-no) 01-2119489463-28 | 1 - 5 | Xn; R22 Xi; R41 Xi; R38 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |

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 (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.

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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.

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

| Lauramine Oxide (308062-28-4) | |
|--|---------------------------|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 11 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 6.2 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 0.44 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 1.53 mg/m ³ |
| 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 |

| Sodium C12-14 Alkyl Sulfate (85586-07-8) | |
|--|---------------------------|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 4060 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 285 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 24 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 85 mg/m ³ |
| Long-term - systemic effects, dermal | 2440 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.102 mg/l |
| PNEC aqua (marine water) | 0.01 mg/l |

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| Sodium C12-14 Alkyl Sulfate (85586-07-8) | |
|---|-----------------|
| PNEC aqua (intermittent, freshwater) | 0.036 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 3.58 mg/kg dwt |
| PNEC sediment (marine water) | 0.358 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.654 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 1084 mg/l |

| Sodium Lauryl Sulphate (1231880-35-5) | |
|--|---------------------------|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 4060 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 285 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - local effects, inhalation | >= mg/m ³ |
| Long-term - systemic effects, oral | 24 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 85 mg/m ³ |
| 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) | |
| 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 | | |
| Melting point | No data available | | |
| Freezing point | No data available | | |
| Boiling point | No data available | | |

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| Property | Value | Unit | Test method/Notes |
|--|-------------------------------------|------|-------------------|
| 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 | 1000 | 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.

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 Manual Washing Up Liquid | |
|---|-----------------------------------|
| 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 Alkyl Sulfate (85586-07-8) | |
| LD50 oral rat | 2000 mg/kg EC 440/2008 B.1 bis |
| LD50 dermal rabbit | > 500 mg/kg |
| ATE CLP (oral) | 2000 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 |

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| | |
|---|--|
| Skin corrosion/irritation | : Not classified pH: 9 |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 9 |
| 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. |
|-------------------|---|

| Lauramine Oxide (308062-28-4) | |
|-------------------------------|--|
| 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 |

| Sodium C12-14 Alkyl Sulfate (85586-07-8) | |
|--|--|
| LC50 fishes 1 | 3.6 mg/l OECD 203; Oncorhynchus mykiss |
| LC50 other aquatic organisms 1 | 3000 mg/l DIN 38412; Pseudomonas putida |
| EC50 Daphnia 1 | 4.7 mg/l EC 440/2008 C.2; Daphnia magna |
| ErC50 (algae) | > 20 mg/l EC 440/2008 C.3; Desmodesmus subspicatus |
| NOEC chronic fish | 0.11 mg/l //OECD 210; Pimephales promelas |
| NOEC chronic crustacea | 0.14 mg/l OECD 211; Daphnia magna |

| Sodium Lauryl Sulphate (1231880-35-5) | |
|---------------------------------------|--|
| 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

| Lauramine Oxide (308062-28-4) | |
|-------------------------------|-----------------|
| Persistence and degradability | Biodegradable. |
| Biodegradation | 90 % OECD 301 B |

| Sodium C12-14 Alkyl Sulfate (85586-07-8) | |
|--|-------------------|
| Persistence and degradability | Biodegradable. |
| Biodegradation | 75.7 % OECD 301 B |

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| Sodium Lauryl Sulphate (1231880-35-5) | |
|---------------------------------------|-------------------|
| Biodegradation | 95.3 % OECD 301 E |

12.3. Bioaccumulative potential

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

| Sodium C12-14 Alkyl Sulfate (85586-07-8) | |
|--|---|
| Log Pow | < -2.42 OECD 107; 20 °C |
| Bioaccumulative potential | Not expected to bioaccumulate due to the low log Kow (log Kow < 4). |

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

12.4. Mobility in soil

| Lauramine Oxide (308062-28-4) | |
|-------------------------------|-----------------------|
| Mobility in soil | 307 OECD 106; 23.6 °C |

| Sodium C12-14 Alkyl Sulfate (85586-07-8) | |
|--|-----|
| Mobility in soil | 316 |

| Sodium Lauryl Sulphate (1231880-35-5) | |
|---------------------------------------|-----------------|
| Mobility in soil | 608 - 642 25 °C |

12.5. Results of PBT and vPvB assessment

| P&G Professional FAIRY Manual Washing Up Liquid | |
|---|---|
| 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 |
| Sodium Hydroxide (1310-73-2) | PBT: not relevant – no registration required vPvB: not relevant – no registration required |
| 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 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.

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

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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; Methylisothiazolinone, Phenoxyethanol, 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 |
| 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 |

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| | |
|----|-------------------------------|
| 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