

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

1.1. Product identifier

Product form : Mixture
Trade name : P&G Professional FLASH Clean & Bleach - Kitchen & Bathroom
Product code : PA00174186
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]

Skin Irrit. 2 H315
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; R36/37/38

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) :

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

P102 - Keep out of reach of children
P101 - If medical advice is needed, have product container or label at hand
P302+P352 - IF ON SKIN: Wash with plenty of water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor
P501 - Dispose of contents/container to an appropriate local waste system
P260 - Do not breathe spray

EUH phrases :

EUH206 - Warning! Do not use together with other products. May release dangerous gases (chlorine)

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2.3. Other hazards

Other hazards not contributing to the classification : No presence of PBT and vPvB ingredients.

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 C6-12 Alkyl Sulfate | (CAS No) 90583-25-8 (EC no) 292-224-2 | 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 |
| Sodium Hypochlorite | (CAS No) 7681-52-9 (EC no) 231-668-3 (REACH-no) 01-2119488154-34 | 1 - 5 | C; R34 R31 N; R50 | Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 |

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.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Coughing, sneezing, Headache, Drowsiness, Dizziness, Shortness of breath.

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 : Reacts with (some) acids/bases: release of (highly) toxic gases/vapours. If the product is involved in a fire, it can release toxic chlorine gases.

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

General measures : Do not bring in contact with acids. Do not use metal containers.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection. Wear respiratory protection.

6.1.2. For emergency responders

Protective equipment : Wear suitable gloves and eye/face protection. Wear respiratory 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. 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.

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

| Sodium Hypochlorite (7681-52-9) | |
|--|---------------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 3.1 mg/m ³ |
| Acute - local effects, inhalation | 3.1 mg/m ³ |
| Long-term - local effects, dermal | 0.5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 1.55 mg/m ³ |
| Long-term - local effects, inhalation | 1.55 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, inhalation | 3.1 mg/m ³ |
| Acute - local effects, inhalation | 3.1 mg/m ³ |
| Long-term - systemic effects, oral | 0.26 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 1.55 mg/m ³ |
| Long-term - local effects, dermal | 0.5 % in mixture |
| Long-term - local effects, inhalation | 1.55 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.00021 mg/l |
| PNEC aqua (marine water) | 0.000042 mg/l |
| PNEC aqua (intermittent, freshwater) | 0.00026 mg/l |
| PNEC (STP) | |
| PNEC sewage treatment plant | 0.03 mg/l |

8.2. Exposure controls

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

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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 | pleasant (perfume). | | |
| 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 | 3 | 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

Reacts with (some) acids/bases: release of (highly) toxic gases/vapours. If the product is involved in a fire, it can release toxic chlorine gases.

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

Refer to Section 10 on Incompatible Materials.

10.5. Incompatible materials

Acids. Reacts with (some) acids: release of (highly) toxic gases/vapours (chlorine).

10.6. Hazardous decomposition products

chlorine.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| P&G Professional FLASH Clean & Bleach - Kitchen & Bathroom | |
|--|----------------------|
| LD50 oral calculated | > 2000 mg/kg |
| Sodium Hypochlorite (7681-52-9) | |
| LD50 dermal rabbit | 20000 mg/kg OECD 402 |

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| Sodium Hypochlorite (7681-52-9) | |
|---|---|
| LC50 inhalation rat (mg/l) | 5.25 mg/l/4h OECD 403 |
| Sodium C6-12 Alkyl Sulfate (90583-25-8) | |
| ATE CLP (oral) | 500 mg/kg bodyweight |
| Skin corrosion/irritation | : Causes skin irritation. pH: 13 |
| Serious eye damage/irritation | : Causes serious eye irritation. 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. Corrosivity: based upon available data of the substances, classification criteria are not met. Irritation: moderately irritating to eyes. Irritation: moderately irritating to skin. 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 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

| Sodium Hypochlorite (7681-52-9) | |
|--|---|
| LC50 fishes 1 | 0.032 mg/l |
| LC50 other aquatic organisms 1 | 3 mg/l |
| EC50 Daphnia 1 | 0.035 mg/l OECD 202, Ceriodaphnia dubia |
| ErC50 (algae) | 0.026 mg/l |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| Sodium Hypochlorite (7681-52-9) | |
|--|--|
| Log Kow | -3.42 |
| Bioaccumulative potential | No ecological damage caused by this product. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

| P&G Professional FLASH Clean & Bleach - Kitchen & Bathroom | |
|---|---|
| Results of PBT assessment | No presence of PBT and vPvB ingredients |
| Component | |
| Sodium Silicate (1344-09-8) | 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 |
| Sodium Hypochlorite (7681-52-9) | PBT: not relevant – no registration required vPvB: not relevant – no registration required |
| Sodium Hydroxide (1310-73-2) | PBT: not relevant – no registration required vPvB: not relevant – no registration required |

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 : <5% Anionic surfactants, Chlorine-based bleaching agents; 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 |
|---|--------------------------|
| Skin Irrit. 2 | On basis of test data |
| 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 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| 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 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H290 | May be corrosive to metals |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| R22 | Harmful if swallowed |
| R31 | Contact with acids liberates toxic gas |
| R34 | Causes burns |
| R36/37/38 | Irritating to eyes, respiratory system and skin |
| R38 | Irritating to skin |
| R41 | Risk of serious damage to eyes |
| R50 | Very toxic to aquatic organisms |
| C | Corrosive |
| 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