

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Chemical type : Mixture  
 Trade name : Flash Professional Floor Cleaner with Bleach 5L  
 Product code : PA00067224

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Function or use category : Cleaning/washing agents and additives

**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 : sds.im@pg.com

Professional : info.uk@pg.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 Directive 67/548/EEC or 1999/45/EC**

Xi; R36/38

N; R50

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 Directive 67/548/EEC or 1999/45/EC**

Hazard symbols :



Xi - Irritant



N - Dangerous for the environment

R-phrases : R36/38 - Irritating to eyes and skin.  
 R50 - Very toxic to aquatic organisms.

S-phrases : S2 - Keep out of the reach of children.  
 S25 - Avoid contact with eyes.  
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S46 - If swallowed, seek medical advice immediately and show this container or label.  
 S29 - Do not empty into drains.  
 S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

Extra phrases : Warning! Do not use together with other products. May release dangerous gases (chlorine).

**2.3. Other hazards**

No additional information available

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

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according to Regulation (EC) No. 453/2010

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Sodium Hypochlorite	(CAS No.) 7681-52-9 (EC no) 231-668-3 (EC index no) 017-011-00-1	1 - 5	C; R34 R31 N; R50
Sodium Coceth-30 Sulfate	(CAS No.) 68891-38-3	1 - 5	Xi; R41 Xi; R38
Sodium Hydroxide	(CAS No.) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	1 - 5	C; R35
Sodium Carbonate	(CAS No.) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2	1 - 5	Xi; R36

  

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Hypochlorite	(CAS No.) 7681-52-9 (EC no) 231-668-3 (EC index no) 017-011-00-1	1 - 5	Skin Corr. 1B, H314 Aquatic Acute 1, H400
Sodium Coceth-30 Sulfate	(CAS No.) 68891-38-3	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318
Sodium Hydroxide	(CAS No.) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	1 - 5	Skin Corr. 1A, H314
Sodium Carbonate	(CAS No.) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2	1 - 5	Acute Tox. Not classified (Oral) Eye Irrit. 2, H319

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area. Respiratory problems: consult a doctor/medical service.
- First-aid measures after skin contact : Rinse immediately with plenty of water for 15 minutes. Take victim to a doctor if irritation persists. Remove contaminated clothing immediately.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Take victim to a doctor if irritation persists.
- First-aid measures after ingestion : Give nothing or a little water to drink. Do not induce vomiting. Consult a doctor/medical service.

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

- Symptoms/injuries after inhalation : May cause irritation or asthma-like symptoms. Reacts with (some) acids: release of toxic and corrosive gases/vapours (chlorine). May cause drowsiness or dizziness.
- Symptoms/injuries after skin contact : May cause moderate irritation.
- Symptoms/injuries after eye contact : May cause moderate irritation.
- Symptoms/injuries after ingestion : Gastrointestinal complaints.

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

### 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.

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### 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 spreading in sewers. Prevent soil and water pollution.

### 6.3. Methods and material for containment and cleaning up

For containment : Scoop absorbed substance into closing containers. Do not use metal 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.  
Other information : Do not bring in contact with acids.

### 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 handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.

### 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 : metals. acids. Reacts with (some) acids: release of (highly) toxic gases/vapours (chlorine). May be corrosive to metals.  
Prohibitions on mixed storage : Keep only in the original container in a cool, well-ventilated place away from (strong) acids.  
Storage area : Store in a cool area. Store in a dry area.

### 7.3. Specific end use(s)

Cleaning/washing agents and additives.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Personal protective equipment : Not required for normal conditions of use.  
Hand protection : Not applicable.  
Eye protection : Not applicable.  
Skin and body protection : Not applicable.  
Respiratory protection : Not applicable.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Liquid.  
Colour : Coloured.  
Odour : pleasant (perfume).  
Odour threshold : No data available  
pH : 12.8  
Melting point : Not measured.  
Solidification point : No data available  
Boiling point : Not measured.  
Flash point :  $\geq 60$  °C  
Relative evaporation rate (butylacetate=1) : Not measured.  
Flammability (solid, gas) : Not flammable.  
Explosive limits : Product is not explosive  
Vapour pressure : Not measured.  
Relative vapour density at 20 °C : Not measured.  
Relative density : No data available  
Density : 1090 g/l  
Solubility : Soluble in water.  
Log Pow : No data available

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Self ignition temperature : Not measured.  
Decomposition temperature : Not measured.  
Viscosity : 320 cP

### 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

metals. acids. Reacts with (some) acids: release of (highly) toxic gases/vapours (chlorine). May be corrosive to metals.

### 10.6. Hazardous decomposition products

chlorine.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Irritation : Irritating to eyes and skin.

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. 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. Corrosivity: based upon skin corrosion test data, 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. Toxic to aquatic organisms.

#### Sodium Hypochlorite (7681-52-9)

EC50 Daphnia 1	0.05 mg/l
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### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Vortex PGP Pre-mintaka GN free

Results of PBT assessment	No presence of PBT and vPvB ingredients
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### 12.6. Other adverse effects

Other information : Toxic to aquatic organisms.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

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### SECTION 14: Transport information

#### 14.1. UN number

UN-No. : 1791

#### 14.2. UN proper shipping name

Proper Shipping Name : HYPOCHLORITE SOLUTION  
Transport document description : UN 1791 HYPOCHLORITE SOLUTION, 8, III, (E)

#### 14.3. Transport hazard class(es)

##### 14.3.1. Overland transport

Class (ADR) : 8 - Corrosive substances  
Hazard identification number (Kemler No.) : 80  
Classification code : C9  
Danger labels (ADR) : 8 - Corrosive substances



Tunnel restriction code : E

##### 14.3.2. Transport by sea

EmS-No. (1) : F-A  
EmS-No. (2) : S-B

##### 14.3.3. Air transport

Instruction "cargo" (ICAO) : 821  
Instruction "passenger" (ICAO) : 819  
Instruction "passenger" - Limited quantities (ICAO) : Y819

#### 14.4. Packing group

Packing group (ADR) : III

#### 14.5. Environmental hazards

Marine pollutant : P



Other information : No supplementary information available.

#### 14.6. Special precautions for user

No additional information available

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

State during transport (ADR-RID) : as liquid.

### 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 additional information available

##### 15.1.2. National regulations

EURAL code : 20 01 29\*  
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.

#### 15.2. Chemical safety assessment

Not available.

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### SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V

Full text of R-, H- and EUH-phrases:

Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Corr. 1A	skin corrosion/irritation Category 1A
Skin Corr. 1B	skin corrosion/irritation Category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
R31	Contact with acids liberates toxic gas.
R34	Causes burns.
R35	Causes severe burns.
R36	Irritating to eyes.
R36/38	Irritating to eyes 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

*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.*