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

### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Chemical type</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade name</td>
<td>Milton Professional Disinfecting Liquid 5L</td>
</tr>
<tr>
<td>Product code</td>
<td>PA00039255</td>
</tr>
</tbody>
</table>

### 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**

Not classified

**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**

<table>
<thead>
<tr>
<th>Hazard symbols</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>R-phrases</td>
<td>Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S-phrases</th>
<th>S2 - Keep out of the reach of children.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra phrases</td>
<td>Warning! Do not use together with other products. May release dangerous gases (chlorine). Do not breathe spray</td>
</tr>
</tbody>
</table>

### 2.3. Other hazards

No additional information available

---

**SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Not applicable

### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Directive 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hypochlorite</td>
<td>(CAS No.) 7681-52-9 (EC no) 231-668-3 (EC index no) 017-011-00-1 (REACH no) 01-2119488154-34</td>
<td>1 - 5</td>
<td>C; R34 R31 N; R50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hypochlorite</td>
<td>(CAS No.) 7681-52-9 (EC no) 231-668-3 (EC index no) 017-011-00-1 (REACH no) 01-2119488154-34</td>
<td>1 - 5</td>
<td>Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400</td>
</tr>
</tbody>
</table>

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: When symptoms occur: rinse immediately with plenty of water. Take victim to a doctor if irritation persists.

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.

Symptoms/injuries after skin contact: Contact during a long period may cause light irritation.

Symptoms/injuries after eye contact: May cause slight 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 (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.

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: 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)

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 : Clear.
Odour : Odourless.
Odour threshold : No data available
pH : 11
pH solution : 1 %
Melting point : Not measured.
Freezing point : No data available
Boiling point : Not measured.
Flash point : ≥ 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 : 1130 g/l
Solubility : Soluble in water.
Log Pow : No data available
Self ignition temperature : Not measured.
Decomposition temperature : Not measured.
Viscosity : No data 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
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. Toxicity for Reproduction: 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. Repeated Dose Toxicity: 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. Irritation: based upon available preparation data and bridging principles, classification criteria are not met.


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.

| Sodium Hypochlorite (7681-52-9) |
|------------------------------|-----------------|
| EC50 Daphnia 1                | 0.05 mg/l       |

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
CPG - MILTON DISINFECTING LIQUID
Results of PBT assessment: No presence of PBT and vPvB ingredients

12.6. Other adverse effects
Other information: No other effects known.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Regional legislation (waste): Disposal must be done according to official regulations.

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
Limited quantities (ADR): LQ07
Excepted quantities (ADR): E1

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
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
No additional information available

SECTION 15: Regulatory information

Ingredient label : <5% Chlorine-based bleaching agents.

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
EURLW 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 required.

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H290</td>
<td>May be corrosive to metals</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>R31</td>
<td>Contact with acids liberates toxic gas.</td>
</tr>
<tr>
<td>R34</td>
<td>Causes burns.</td>
</tr>
<tr>
<td>R50</td>
<td>Very toxic to aquatic organisms.</td>
</tr>
<tr>
<td>C</td>
<td>Corrosive</td>
</tr>
<tr>
<td>N</td>
<td>Dangerous for the environment</td>
</tr>
</tbody>
</table>

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.