

# Marks & Spencer Homecare Products Ingredients and Safety Data Sheet

## 1. Identification of Substance/Mixture and of the company undertaking

Product Name: SIMPLY M&S thick bleach Citrus 750ml

UPC: M00886291

Series Number: 1

## 2. Hazard Identification

### 2.1. Classification of the substance or mixture

Classification according to 1999/45/EC

Irritant: Xi R36 R38 - Irritating to eyes and skin

Classification procedure: Bridging of Test Data / Expert Judgement (ref: Section 12)

### 2.2 Label Elements

Labelling according to 1999/45/EC

Symbol(s):



**IRRITANT**

Risk Phrase(s):

Irritating to eyes and skin

Safety Phrase(s):

Keep out of the reach of children  
Avoid contact with skin and eyes  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
If swallowed, seek medical advice immediately and show this container or label  
Contains Sodium Hydroxide and Sodium Hypochlorite  
Warning! Do not use together with other products. May release dangerous gases (chlorine).

Supplemental Phrase(s):

None

### 2.3 Other Hazards

None

## 3. Composition / Information On Ingredients

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Ingredients	CAS/EINECS	Weight	Hazard	Risk No.
Sodium Hypochlorite		1-10		C R34 R31 R36/38 N R50
Sodium Laureth Sulphate		1-10		Xi R41 R38
Sodium Hydroxide		0.1-1		C R35 R34 R36/38
Amines, C12-18 (even numbered) - alkyl dimethyl, N-oxides		0.1-1		Xi R41 R38 N R50

## 4. First Aid Measures

### Neat Product

**Eye:** Immediately wash the eye with plenty of water for at least 10 minutes, holding the eye open. Remove from site of exposure. If redness or irritation persists, obtain medical advice  
Protect uninjured eye.

**Skin:** Immediately wash the skin thoroughly with plenty of clean water. If redness or irritation persists, obtain medical advice.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Obtain medical advice.

**Inhalation:** Mixture is a liquid, as such inhalation is not a likely route of exposure.

### Diluted Product

**Eye:** Immediately wash the eye with plenty of water for at least 10 minutes, holding the eye open. Remove from site of exposure. If redness or irritation persists, obtain medical advice  
Protect uninjured eye.

**Skin:** Immediately wash the skin thoroughly with plenty of clean water. If redness or irritation persists, obtain medical advice.

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**Ingestion:** Wash out mouth with water. Do not induce vomiting. Obtain medical advice.

**Inhalation:** Mixture is a liquid, as such inhalation is not a likely route of exposure.

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

Prolonged or repeated exposure to the skin will lead to moderate irritation.

If mixture comes into contact with eyes will cause moderate irritation

If ingested, the product may lead to moderate irritation of the mouth and upper digestive tract.

If significant quantities (>50ml) are ingested, then nausea and vomiting may occur

#### **4.3 Indication of any immediate medical attention and special treatment needed**

No special treatment required - see first aid above

## **5. Fire Fighting Measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media:**

Dry powder, foam, carbon dioxide and water mist.

#### **Unsuitable extinguishing media:**

DO NOT USE DIRECT WATER SPRAY.

### **5.2 Special hazards arising from the substance or mixture**

Fumes containing carbon dioxide, carbon monoxide and sulphur dioxide may be found in large fires

### **5.3 Advice for fire fighters**

In case of fire of large quantities, self contained breathing apparatus should be worn.

## **6. Accidental Release Measures**

### **6.1 Personal Precautions, Protective equipment and emergency procedures**

#### **Non emergency personnel:**

Avoid contact with eyes. Avoid prolonged skin contact. Keep all non essential personnel away from area of accidental release.

#### **Emergency personnel:**

Avoid contact with eyes. Avoid prolonged skin contact. Keep all non essential personnel away from area of accidental release.

### **6.2 Environmental Precautions**

Avoid discharge of large volumes into water courses

### **6.3 Methods and materials containment and cleaning up**

#### **Small spills (less than 6 bottles):**

Wipe or Mop up the spilled mixture with inert absorbent material and dispose of in accordance With normal waste disposal measure

#### **Large spills (greater than 6 bottles):**

Contain the spilled mixture with sand or other inert absorbent material. Transfer used material to a suitable waste container and dipose of in accordance with local regulations

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#### 6.4 Reference to other sections

Refer to sections 8 & 13

## 7. Handling & Storage

#### 7.1 Precautions for safe handling

Avoid contact with eyes. Avoid repeated or prolonged contact with skin. Keep out of the reach of children.

Use only as directed.

Rinse and dry hands after use.

Do not mix with acids, other cleaning products or bleaches.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in original container in a cool place. Keep out of the reach of children.

#### 7.3 Specific end use(s)

For general disinfecting and cleaning purposes and for bleaching fabrics.

## 8. Exposure Controls & Personal Protection

Occupational exposure limits

Limit value type (country of origin)	Substance name	EC No	CAS No	Occupational exposure limit		Source
				Long term	Short term	
United Kingdom	Sodium Hydroxide	215-185-5	1310-73-2	-	2 mg.m3	EH40

#### 8.2 Exposure controls

##### Personal protective equipment

None during normal use. Avoid prolonged contact.

##### Environmental exposure controls

No eSDS available

## 9. Physical & Chemical Properties

(a) Appearance:	Characteristic, yellow liquid
(b) Odour:	Characteristic
(c) Odour threshold:	No data available
(d) pH:	12-14
(e) Melting/freezing point:	<0°C
(f) Initial boiling point and boiling range	100°C
(g) Flash point:	Not applicable (Not Flammable)
(h) Evaporation rate:	Not determined (Likely to be similar to water)
(i) Flammability (solid, gas):	Not applicable
(j) Upper/lower flammability or explosive limits:	Not applicable (Not Flammable)
(k) Vapour pressure:	Not determined (Likely to be similar to water)
(l) Vapour density:	Not determined (Likely to be similar to water)

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(m) Relative density:	1.08 g/cm <sup>3</sup> (at 20°C)
(n) Solubility:	Not determined (Likely to be similar to water)
(o) Partition coefficient (n-octanol/water):	Not determined (Likely to be similar to water)
(p) Auto-ignition temperature:	Not determined (Likely to be similar to water)
(q) Decomposition temperature:	Not determined (Likely to be similar to water)
(r) Viscosity:	25-150 flow cup seconds
(s) Explosive properties:	Mixture does not contain substances directly added or produced by reactions that are classified as explosive.
(t) Oxidising properties:	This product contains oxidising agents.

## 9.2 Other information

(a) Nanomaterials:	None
(b) Corrosivity to metals:	Steel: corrosion rate of > 6.25 mm/y (localised corrosion) [UN test C.1]

## 10. Stability & Reactivity

**10.1 Reactivity:** Contact with acids liberates toxic chlorine gas.

### 10.2 Chemical stability:

Will decompose slowly on standing, with the production of sodium chlorate and sodium chloride and the evolution of oxygen. This process is accelerated by heat and exposure to light as well as contamination by certain metals.

### 10.3 Possibility of hazardous reactions:

Reacts with acids generating: Chlorine gas

### 10.4 Conditions to avoid:

Exposure to light. High temperatures.

### 10.5 Incompatible materials:

Acids, ammonium compounds, oxidising agents, metals particularly copper, nickel and iron.  
Do not mix with other cleaning products.

### 10.6 Hazardous decomposition products:

Reacts with acids generating: Chlorine gas

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity:

<b>Oral</b>	Mixture is not classified for acute oral toxicity by conventional classification
<b>Dermal</b>	Mixture is not classified for acute dermal toxicity by conventional classification
<b>Inhalation</b>	Mixture is not classified for acute inhalation toxicity by conventional classification

#### Irritation:

<b>Dermal</b>	Prolonged or repeated contact will lead to skin irritation
<b>Eye</b>	Will cause irritation in contact with eyes

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**Corrosivity:**

- Dermal** Mixture is not classified as corrosive by conventional classification or pH  
**Eye** Mixture is not classified as corrosive by conventional classification or pH

**Sensitisation:**

- Dermal** Mixture contains substances known as 'Alleged Allergens'. Product will be labelled with these materials in accordance with Detergents Regulations (648/2004/EC)  
**Inhalation** Mixture does not contain any substances classified as respiratory sensitisers

**Specific Target Organ Toxicity - Single Exposure:**

- Oral** Mixture does not contain any substances classified as STOT - SE by ingestion  
**Dermal** Mixture does not contain any substances classified as STOT - SE by skin contact  
**Inhalation** Mixture does not contain any substances classified as STOT - SE by inhalation

**Specific Target Organ Toxicity - Repeated Exposure:**

- Oral** Mixture does not contain any substances classified as STOT - RE by ingestion  
**Dermal** Mixture does not contain any substances classified as STOT - RE by skin contact  
**Inhalation** Mixture does not contain any substances classified as STOT - RE by inhalation

**Aspiration Toxicity:** Mixture does not contain any substances classified as aspirational toxins

**Carcinogenicity:** Mixture is not classified as carcinogenic by conventional calculation

**Mutagenicity:** Mixture is not classified as carcinogenic by conventional calculation

**Toxic for reproduction:**

Mixture is not classified as toxic for reproduction by conventional calculation

**Other Information:** None

## 12. Ecological Information

**12.1 Toxicity**

During normal use mixture is not anticipated to present a significant risk to the environment. Mixture is not classified as toxic to aquatic organisms (N R50) by bridging of test data on similar formulations. In accordance with Article 6.3 (the Furthermore clause) of Dangerous Preparations Directive 1999/45/EC and Annex 1 paragraph 1.1.0 of Classification Labelling and Packaging of substances and mixtures Regulations (EC) No 1907/2006, this product has been compared using expert judgement to industry shared data (AISE Environmental classification of Sodium Hypochlorite containing bleach products 9th Sept 2009). This indicates that products containing up to 5.2% Sodium Hypochlorite (4.9% Active chlorine) would not need to be classified N R50 on the basis of their Sodium Hypochlorite content.

**12.2 Persistence and degradability**

The surfactant(s) contained in this mixture complies with biodegradability criteria as laid down in regulations (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member state. The other substances of this mixture are either environmentally inert or absorbed onto sewage and sediment etc or will biodegrade to substances which are likely to be of low environmental impact when the product is used as directed.

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### 12.3 Bioaccumulative potential

Mixture is not expected to bioaccumulate

**12.4 Mobility in soil** Mixture is expected to be fully mobile through soil

### 12.5 Results of PBT and vPvB assessment

Mixture does not contain any substances classified as PBT or vPvB.

### 12.6 Other adverse effects

None

## 13. Disposal

### 13.1 Waste treatment methods

**Mixture:** Under conditions of expected use the mixture will be disposed of at the end of its life into the normal domestic waste streams

**Packaging:** May be disposed of in household waste landfill.  
Recycle packaging where facilities exist.

**Additional information:** Local or regional provisions may be in force and shall be referred to.

## 14. Transport Information

### Land Transport (ADR/RID)

**14.1 UN Number** UN 1791

**14.2 UN Proper shipping name** HYPOCHLORITE SOLUTION

**14.3 Transport hazard class(s)** 8

**14.4 Packaging Group** PG III

**14.5 Environmental hazards** Mixture is not environmentally hazardous in accordance with the regulations

**14.6 Special precautions for the user** Packed under limited quantity provisions

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not relevant for the supplied quantity

### Sea Transport (IMDG Code)

**14.1 UN Number** UN 1791

**14.2 UN Proper shipping name** HYPOCHLORITE SOLUTION

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<b>14.3 Transport hazard class(s)</b>	8
<b>14.4 Packaging Group</b>	PG III
<b>14.5 Environmental hazards</b>	Mixture is not environmentally hazardous in accordance with the regulations
<b>14.6 Special precautions for the user</b>	Packed under limited quantity provisions
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not relevant for the supplied quantity
<b>Air Transport (ICAO -IATA)</b>	
<b>14.1 UN Number</b>	UN 1791
<b>14.2 UN Proper shipping name</b>	HYPOCHLORITE SOLUTION
<b>14.3 Transport hazard class(s)</b>	8
<b>14.4 Packaging Group</b>	PG III
<b>14.5 Environmental hazards</b>	Mixture is not environmentally hazardous in accordance with the regulations
<b>14.6 Special precautions for the user</b>	Packed under limited quantity provisions
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not relevant for the supplied quantity

## 15. Regulatory Information

### 15.1 Safety, health and environment regulations/legislation specific for the substance or mixture

Dangerous Preparations Directive 1999/45/EEC

Detergents Regulations (EC) No 648/2004

Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations (EC) No 1907/2006

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (UK)

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out

## 16. Other Information

### Reason for and Description of SDS revisions:

REACH Annex II Compliance

Transport Classification update.

### Key to abbreviations:

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WEL - Workplace Exposure Limit

STOT RE - Specific Target Organ Toxicity - Repeat Exposure

STOT SE - Specific Target Organ Toxicity - Single Exposure

PBT - Persistent, Bioaccumulative, Toxic

vPvB - very Persistent, very Bioaccumulative

EH40 - EH40/2005 UK List of Approved Workplace Exposure Limits

**List of risk phrases in full:**

R31 - Contact with acids liberates toxic gas

R34 - Causes burns

R35 - Causes severe burns

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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