

# Marks & Spencer Homecare Products Ingredients and Safety Data Sheet



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

**Product Name:** M&S Thick Bleach Citrus

**UPC:** 29081981

**Series Number:**

## 2. Hazard Identification

According to Regulation (EC) No. 1272/2008 (CLP):

Met. Corr. 1; H290

Skin Corr. 1B; H314

Eye Dam. 1; H318

Aquatic Acute 1; H400

Aquatic Chronic 2; H411

**Hazard Pictogram(s):**



**Signal Word(s):** DANGER

**Hazard Statement(s):**

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statement(s):**

P234: Keep only in original packaging.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

**Other Hazards:** None known.

## Composition / Information On Ingredients

Ingredients	CAS/EINECS	% e.g. 10-20%	Hazard	Risk No.
Sodium Hypochlorite Liquor	7681-52-9	2 - 5	Met. Corr. 1; H290  Skin Corr. 1B; H314  Aq. Acute 1; H400  Aq. Chronic 2; H411  EUH031 (SCL: C $\geq$ 5%)	H290  H314  H400  H411  EUH031
Sodium laureth sulphate	68891-38-3	1 - 3	Skin Irrit. 2; H315 (SCL: 5% $\leq$ C < 10%)  Eye Dam. 1; H318 (SCL: C $\geq$ 10%)  Aq. Chronic 3; H412	H315  H318  H412
Lemon zest Concentrated Fragrance 351090		<0.001	Not classified	N/A
C.I. Direct Yellow 28	8005-72-9	<0.001	Not classified	N/A

## 4. First Aid Measures

### **Self-protection of the first aider:**

Remove contaminated clothing and footwear and wash before reuse. Avoid breathing vapours. Avoid contact with skin and eyes.

### **Ingestion:**

IF SWALLOWED: Do not induce vomiting wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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**Skin Contact:**

IF ON SKIN (or hair): Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water. Rinse cautiously with water for several minutes. If skin irritation occurs, get medical advice/attention.

**Eye Contact:**

IF IN EYES: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain prompt consultation, preferably from an ophthalmologist.

**Inhalation:**

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if breathing has ceased or shows signs of failing. Get medical advice/attention if you feel unwell.

**Most important symptoms and effects, both acute and delayed:**

Causes severe skin burns and eye damage.

**Indication of any immediate medical attention and special treatment needed:**

Treat Symptomatically.

Note to physician: treatment by an ophthalmologist due to possible caustic burn of the eyes may be required.

## 5.Fire Fighting Measures

**Suitable Extinguishing Media:**

Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. Extinguish preferably with dry chemical, foam or waterspray., or Carbon dioxide.

**Unsuitable Extinguishing Media:**

Do not use water jet. Direct water jet may spread the fire.

**Special hazards arising from the substance or mixture:**

Combustion or thermal decomposition will evolve toxic vapours. e.g. Chlorine, hypochlorous acid and sodium chlorate.

**Advice for fire-fighters:**

Evacuate the area and keep personnel upwind. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Avoid breathing vapours. Keep containers cool by spraying with water if exposed to fire. Avoid release to the environment. Do not allow run-off from fire fighting to enter drains or water courses.

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## 6. Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin and eyes.

Take off contaminated clothing and wash it before reuse. Wear suitable protective clothing and eye/face protection.

### **Environmental precautions:**

Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.

### **Methods and material for containment and cleaning up:**

Small spillages: Cover spills with inert absorbent material. Absorb spillage in earth or sand.

Transfer to a lidded container for disposal or recovery. Flush spill area with copious amounts of water.

Large spillages: Stop leak if safe to do so. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Transfer to a lidded container for disposal or recovery. Flush spill area with copious amounts of water. Recover water for later processing. Neutralize with: sodium thiosulphate solution.

### **Reference to other sections:**

See Also Section 8.

## 7. Handling & Storage

### **Storage:**

Keep container tightly closed, in a cool, well ventilated place. Keep away from heat and direct sunlight. Keep away from moist air.

Suitable containers: Vulcanised natural rubber, Acidproof or rubber-coated steel, Polyethylene, Fibreglass-reinforced polyester.

Unsuitable containers: Iron, Stainless steel, Copper and copper alloy, Aluminium.

Store at ambient temperature (15 – 25 °C).

Incompatible materials: Keep away from acid, Ammonia, Combustible materials. Keep away from metals.

### **Handling:**

Good hygiene practices and housekeeping measures. Avoid breathing vapours. Avoid contact with skin and eyes. Contaminated clothing should be thoroughly cleaned. Provide waterproof electrical equipment. Keep away from metals. Do not eat, drink or smoke during work.

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## 8. Exposure Controls & Personal Protection

### Occupational Exposure Limits:

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Sodium hydroxide	1310-73-2	-	-	-	2	-

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

### PNECs and DNELs:

Sodium Hypochlorite Liquor Derived No Effect Level	Oral	Inhalation	Dermal
Worker - Long Term - Local effects	-	1.55 mg/m <sup>3</sup>	0.5% w/w
Worker - Long Term - Systemic effects	-	1.55 mg/m <sup>3</sup>	-
Worker - Acute - Local effects	-	3.1 mg/m <sup>3</sup>	-
Worker - Acute - Systemic effects	-	3.1 mg/m <sup>3</sup>	-
Consumer - Long Term - Local effects	-	1.55 mg/m <sup>3</sup>	-
Consumer - Long Term - Systemic effects	0.26 mg/kg bw/day	1.55 mg/m <sup>3</sup>	-
Consumer - Acute - Local effects	-	3.1 mg/m <sup>3</sup>	-
Consumer - Acute - Systemic effects	-	3.1 mg/m <sup>3</sup>	-

Sodium Hypochlorite Liquor Predicted No Effect Concentration	Value
Aquatic Compartment	PNEC Aqua (Intermittent release.) 0.26 µg/l PNEC Aqua (marine water) 0.042 µg/l PNEC Aqua (freshwater) 0.21 µg/l
STP (Sewage Treatment Plant)	PNEC STP 30 µg/l

### General Information:

Ensure adequate ventilation.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier. Wash hands before breaks and after work. Remove contaminated clothing and wash clothing before reuse. Guarantee that the eye flushing systems and safety showers are located close to the working place.

### Hand / Skin protection:

Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training.

Recommended: PVC, Minimum thickness: 1.2 mm

Wear suitable coveralls to prevent exposure to the skin. Safety shoes or boots - chemical resistant.

### Eye protection:

Wear goggles giving complete protection to eyes to protect against liquid splashes (EN166).

### Respiratory:

In case of inadequate ventilation wear respiratory protection.

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**Environmental Exposure Controls:**

Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.

## 9. Physical & Chemical Properties

**Appearance:** Liquid

**Colour:** Yellow

**Odour:** not determined

**pH:** 12.2

**Melting Point/Freezing Point:** N/A

**Initial Boiling Point and Boiling Range:** ~85 °C

**Flash Point:** > 85 °C

**Flammability (solid, gas):** Not flammable.

**Relative Density:** 1.071

**Viscosity:** 200 – 850 cps

**Explosive properties:** Not explosive

**Oxidising properties:** Not oxidising

## 10. Stability & Reactivity

**Reactivity:****Chemical Stability:**

Stable under normal conditions. Hazardous polymerisation will not occur. Stability decreases: Heat, Light, in the presence of impurities (Traces of: Iron, Nickel, Copper, Cobalt, Aluminium, Manganese)

**Possibility of hazardous reactions:**

Stable under normal conditions. Hazardous polymerisation will not occur. Combustion or thermal decomposition will evolve toxic vapours.

**Conditions to avoid:**

Elevated temperature. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Incompatible materials:**

Keep away from: Acids, Ammonia, Combustible materials, metals.

**Hazardous decomposition products:**

Combustion or thermal decomposition will evolve toxic vapours.(> 111 °C): Chlorine, hypochlorous acid, sodium chlorate.

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## 11. Toxicological Information

### 11.1 Information on toxicological effects:

Acute toxicity - Ingestion	Based on available data, the classification criteria are not met.
Acute toxicity - Skin Contact	Based on available data, the classification criteria are not met.
Acute toxicity - Inhalation	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Skin Corr. 1B; Causes severe skin burns and eye damage.  Sodium Hypochlorite Liquor: Skin. Corr. 1B; H314. Irritating to skin (rabbit) (OECD 404)  Sodium laureth sulphate: Skin Irrit. 2; H315. Irritating to skin (rabbit) (OECD 404)
Serious eye damage/irritation	Eye Dam. 1; Causes serious eye damage.  Sodium laureth sulphate: Eye Dam. 1; H318. Irritating to eyes (OECD 405)
Respiratory or Skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

### 11.2 Other information: Not known.

## 12. Ecological Information

<b>12.1 Toxicity</b>	Aquatic Acute 1; Very toxic to aquatic life. Aquatic Chronic 2; Harmful to aquatic life with long lasting effects.
Sodium Hypochlorite Liquor:	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Acute Toxicity: Read across (CAS No. 7778-54-3). LC50 (fish) mg/l (96 hour): 0.062 – 0.533 (Unnamed, 1977/78) Chronic Toxicity: NOEC (Fish) mg CPO/l: 0.04 (Unnamed, 1983)
Sodium Laureth Sulphate:	Aquatic Chronic 3; H412 Acute Toxicity: LC50 (fish) mg/l (96 hour): 7.1 (Unnamed, 1995) Chronic Toxicity: NOEC (Fish) mg/l: 0.14 (Unnamed, 1995)

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**12.2 Persistence and Degradation:** No data for the mixture as a whole.

Sodium Hypochlorite Liquor: readily biodegradable.

Sodium Laureth Sulphate: Readily biodegradable. (EU Method C.4-A)

**12.3 Bioaccumulative potential:** No data for the mixture as a whole.

Sodium Hypochlorite Liquor: The substance has low potential for bioaccumulation.  $\log K_{ow} \leq -3$

Sodium Laureth Sulphate: The substance has low potential for bioaccumulation.  $\log K_{ow} \leq -3$

**12.4 Mobility in soil:** No data for the mixture as a whole.

Sodium Hypochlorite Liquor: Not applicable for inorganic substances.

Sodium Laureth Sulphate: The substance has low mobility in soil.  $\log K_{oc}$ : 0.34

**12.5 Results of PBT and vPvB assessment:** None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.

**12.6 Other adverse effects:** Not known.

## 13. Disposal

### 13.1 Waste treatment methods:

Avoid release to the environment. Disposal should be in accordance with local, state or national legislation.

Recommended: Product disposal: Dilute with water. Neutralize with: sodium thiosulphate solution. Recover water for later processing.

Recommended: Container Disposal: Wash immediately with water. Recover water for later processing. Recover or recycle if possible.

**13.2 Additional Information:** None known.

## 14. Transport Information

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	UN 1791	UN 1791	UN 1791
14.2 UN proper shipping name	Hypochlorite solution	Hypochlorite solution	Hypochlorite solution
14.3 Transport hazard class(es)	8	8	8
14.4 Packing group	II	II	II
14.5 Environmental hazards	Environmentally hazardous substance	Classified as a Marine Pollutant.	Environmentally hazardous substance
14.6 Special precautions for user	See Section: 2		
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No information available.	No information available.	No information available.

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## 15. Regulatory Information

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

#### European Regulations – Authorisations and/or Restrictions On Use:

BPR - Union List: Active chlorine released from sodium hypochlorite: PT01, PT02, PT03, PT04, PT05 (Date of approval: 01/01/19)

BPR – Review Programme: Sodium Hypochlorite: PT11, PT12

#### National Regulations:

Germany Water hazard class: 2

#### Chemical Safety Assessment:

Sodium Hypochlorite Liquor: A REACH chemical safety assessment (CSA) has been carried out.

## 16. Other Information

The following sections contain revisions or new statements: N/A

#### References:

Existing Safety Data Sheet (SDS)

Existing ECHA registration for Sodium Hypochlorite Liquor (CAS No. 7681-52-9), Sodium laureth sulphate (CAS No. 68891-38-3).

Harmonised Classification(s) for Sodium Hypochlorite Liquor (CAS No. 7681-52-9).

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Met. Corr. 1; H290	Expert judgement, pH of product
Skin Corr. 1B; H314	pH of product
Eye Dam. 1; H318	pH of product
Aq. Acute 1; H400	Threshold Calculation
Aq. Chronic 2; H411	Threshold Calculation

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**Hazard classification / Classification code:**

Met. Corr. 1; Corrosive to Metals, Category 1

Skin Corr. 1B, Skin corrosion/irritation, Category 1B

Eye Irrit. 2; Serious eye damage/irritation, Category 2

Eye Dam. 1; Serious eye damage/irritation, Category 1

Aquatic Acute 1; Hazardous to the aquatic environment, Acute, Category 1

Aquatic Chronic 1; Hazardous to the aquatic environment, Chronic, Category 1

Aquatic Chronic 2; Hazardous to the aquatic environment, Chronic, Category 2

**Hazard Statement(s)**

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

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