

Marks & Spencer Homecare Products Ingredients and Safety Data Sheet

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

Product Name: SIMPLY M&S kitchen cleaner with bleach 500 ml

Product code: 56014561

UPC: 886338

Series Number:

2. Hazard Identification

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Substance that is corrosive to metals, Category 1 (Met. Corr. 1, H290).

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Skin irritation (Xi, R 38).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Biocidal detergent mixture (see section 15).

Mixture for spray application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



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GHS05

Signal Word :

DANGER

Product identifiers :

EC 222-059-3 N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

EC 231-668-3 SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE

011-002-00-6 SODIUM HYDROXIDE

Additional labeling :

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

Hazard statements :

H290 May be corrosive to metals.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements - General :

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Precautionary statements - Prevention :

P234 Keep only in original container.

P260 Do not breathe mist.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

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

Precautionary statements - Response :

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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 or doctor/physician.

P390 Absorb spillage to prevent material damage.

Precautionary statements - Disposal :

P501 Dispose of contents/container to ...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

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The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

3. Composition / Information On Ingredients

Ingredients	CAS/EINECS	% e.g. 10-20%	Hazard	Risk No.
N,N-DIMETHYLTETRADECYLAMINE N-OXIDE	CAS: 3332-27-2 EC: 222-059-3	0 <= x % < 2.5	Dgr	GHS07, GHS05, GHS09
SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE	CAS: 7681-52-9 EC: 231-668-3	0 <= x % < 2.5	Dgr	GHS05, GHS09
SODIUM HYDROXIDE	CAS: 1310-73-2 EC: 215-185-5	0 <= x % < 2.5	Dgr	GHS05
DIMETHYL(TETRADECYL)AMINE	CAS: 112-75-4 EC: 204-002-4	0 <= x % < 2.5	Dgr	GHS07, GHS05, GHS09

4. First Aid Measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

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

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

5. Fire Fighting Measures

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

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- carbon monoxide (CO)
- carbon dioxide (CO₂)
- chlorine (Cl₂)

5.3. Advice for firefighters

No data available.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

6.3. Methods and material for containment and cleaning up

Neutralise with an acidic decontaminant.

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

7. Handling & Storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Remove contaminated clothing and protective equipment before entering eating areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry place.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

8. Exposure Controls & Personal Protection

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS TWA : STEL : Ceiling : Definition : Criteria :

1310-73-2 - - 2 mg/m³ - -

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- France (INRS - ED984 :2008) :
CAS VME-ppm : VME-mg/m3 : VLE-ppm : VLE-mg/m3 : Notes : TMP No :
1310-73-2 - 2 - - - -
- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :
CAS TWA : STEL : Ceiling : Definition : Criteria :
1310-73-2 - 2 mg/m3 - - -

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles with protective sides accordance with standard EN166.
In the event of high danger, protect the face with a face shield.
When spraying, wear a face shield in accordance with standard EN166.
Prescription glasses are not considered as protection.
Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended :

- Natural latex
 - PVC (polyvinyl chloride)
- Recommended properties :
- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.
Wear suitable protective clothing.
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

9. Physical & Chemical Properties

9.1. Information on basic physical and chemical properties

General information :

Physical state : Fluid liquid.
Hygroscopicity : Not stated.
Odour threshold : Not stated.
Molecular formula : Not stated.
Granulometry : Not stated.
Apparent bulk density (Packed) : Not stated.
Apparent bulk density (Loose packed) : Not stated.
Particle size : Not stated.
Angle of Talus : Not stated.

Important health, safety and environmental information

pH (aqueous solution) : >11.5
pH : 11.50 .
Strongly basic.
Boiling point/boiling range : Not relevant.
Flash point interval : Not relevant.
Flammability (solid, gas) : Not stated.
Explosive properties, lower explosivity limit (%) : Not stated.
Explosive properties, upper explosivity limit (%) : Not stated.
Oxidising properties : Not stated.
Vapour pressure (50°C) : Not relevant.

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Vapour density : Not stated.
Density : 1.027
Miscibility : Not stated.
Water solubility : Soluble. n/a
Fat solubility : Not stated.
Partition coefficient: n-octanol/water : Not stated.
Viscosity : Not stated.
Viscosity: $\nu < 7 \text{ mm}^2/\text{s}$ (40°C)
Evaporation rate : Not stated.
Melting point/melting range : Not relevant.
Self-ignition temperature : Not relevant.
Decomposition point/decomposition range : Not relevant.
Conductivity : Not stated.
% VOC : Not stated.
Colour : Characteristic
Odour : Characteristic

9.2. Other information

Optical rotation : Not stated.
Index of refraction : Not stated.
Index of fluidity : Not stated.
Henry constant : Not stated.
Dissociation constant : Not stated.
Oxidation reduction potential : Not stated.
Superficial tension : Not stated.
Surface tension : Not stated.
Enthalpy of combustion : Not stated.
Enthalpy of melting : Not stated.
Enthalpy of vaporisation : Not stated.
Enthalpy of polymerization : Not stated.
Critical pressure : Not stated.
Critical temperature : Not stated.

10. Stability & Reactivity

10.1. Reactivity

Mixture which by chemical action can corrode and even destroy metals.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- frost

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

- chlorine (Cl₂)

11. Toxicological Information

11.1. Information on toxicological effects

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

Skin corrosion/skin irritation :

The irritant classification is based on the high/low pH value without irritation tests having been performed.

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Serious damage to eyes/eye irritation :
Corrosive classification is based on an extreme pH value.

12. Ecological Information

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

SODIUM HYPOCHLORITE, SOLUTION ...% CL ACTIVE (CAS: 7681-52-9)

Fish toxicity : 0.01 < LC50 <= 0.1 mg/l

Factor M = 10

Duration of exposure : 96 h

0,01 < NOEC <= 0,1 mg/l

Duration of exposure : 28 days

Crustacean toxicity : 0.01 < EC50 <= 0.1 mg/l

Factor M = 10

Species : Ceriodaphnia sp.

Duration of exposure : 48 h

0,001 < NOEC <= 0,01 mg/l

Factor M = 1

Duration of exposure : 7 days

Algae toxicity : 0.01 < EC50 <= 0.1 mg/l

Factor M = 10

Duration of exposure : 72 h

0,001 < NOEC <= 0,01 mg/l

Factor M = 1

Duration of exposure : 7 days

N,N-DIMETHYLTETRADECYLAMINE N-OXIDE (CAS: 3332-27-2)

Fish toxicity : Duration of exposure : 96 h

Crustacean toxicity : Duration of exposure : 48 h

Algae toxicity : Duration of exposure : 72 h

12.1.2. Mixtures

12.2. Persistence and degradability

12.2.1. Substances

SODIUM HYPOCHLORITE, SOLUTION ...% CL ACTIVE (CAS: 7681-52-9)

Biodegradability : Fast degrading.

N,N-DIMETHYLTETRADECYLAMINE N-OXIDE (CAS: 3332-27-2)

Biodegradability : Fast degrading.

12.2.2. Mixtures

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

13. Disposal

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

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Soiled packaging :

Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

14. Transport Information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

14.1. UN number

1791

14.2. UN proper shipping name

UN1791=HYPOCHLORITE SOLUTION

14.3. Transport hazard class(es)

- Classification :

8

14.4. Packing group

II

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID Class Code Pack gr. Label Ident. LQ Provis. EQ Cat. Tunnel

8 C9 II 8 80 1 L 521 E2 2 E

IMDG Class 2^oLabel Pack gr. LQ EMS Provis. EQ

8 - II 1 L F-A,S-B - E2

IATA Class 2^oLabel Pack gr. Passenger Passenger Cargo Cargo note EQ

8 - II 851 1 L 855 30 L A3

A803

E2

8 - II Y840 0.5 L - - A3

A803

E2

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

15. Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**- Classification and labelling information included in section 2:**

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 618/2012
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.

- Container information:

No data available.

- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- less than 5 % : nonionic surfactants
- less than 5 % : chlorinebased bleaching agents
- disinfectants
- perfumes

- Labelling for biocidal products (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC)

:

Product-type 2 : Disinfectants and algacides not intended for direct application to humans or animals.

Product-type 4 : Food and feed area.

15.2. Chemical safety assessment

No data available.

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16. Other Information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols :



Irritant

Risk phrase :

R 38 Irritating to skin.

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

Safety phrase :

S 2 Keep out of the reach of children.

S 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

S 46 If swallowed, seek medical advice immediately and show this container or label.

S 37 Wear suitable gloves.

S 51 Use only in well-ventilated areas.

S 64 If swallowed, rinse mouth with water (only if the person is conscious).

Title for H, EUH and R indications mentioned in section 3 :

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.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH031 Contact with acids liberates toxic gas.

R 22 Harmful if swallowed.

R 31 Contact with acids liberates toxic gas.

R 34 Causes burns.

R 35 Causes severe burns.

R 37 Irritating to respiratory system.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 50 Very toxic to aquatic organisms.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

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