

**SAFETY DATA SHEET**

(according to Regulation (EC) No. 2015/830)



**MR MUSCLE Kitchen Drain Unblocker**

Version 3.1  
Revision Date 06.04.2016

Print Date 11.05.2016  
Specification Number: 350000006884  
SITE FORM Number:  
30000000000000006082.001

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier** : MR MUSCLE Kitchen Drain Unblocker
  
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
  - Use of the Substance/Mixture** : Washing and cleaning products (including solvent based products)
  
  - Uses advised against** : None identified
  
- 1.3 Details of the supplier of the safety data sheet** : SC Johnson Ltd.  
Frimley Green  
Camberley  
Surrey  
GU16 7AJ
  
- Telephone** : +441276852000
  
- E-mail address** : ask.uk@scj.com
  
- 1.4 Emergency telephone number** : Consumer Care Center:  
UK - 0800 353 353  
Ireland - 1800 409 176

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)

Hazard classification	Hazard category	Hazards identification
Corrosive to metals	Category 1	May be corrosive to metals.
Skin corrosion	Category 1	Causes severe skin burns and eye damage.

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

**Hazard symbols**



**Signal word**  
Danger

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(according to Regulation (EC) No. 2015/830)

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Sodium hydroxide

**Hazard statements**

(H290) May be corrosive to metals.

(H314) Causes severe skin burns and eye damage.

**Precautionary statements**

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

(P102) Keep out of reach of children.

(P260) Do not breathe fume.

(P310) Immediately call a POISON CENTER or doctor/ physician.

(P304 + P340) IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

(P301 + P330 + P331) IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

(P405) Store locked up.

(P501) Dispose of contents/container to...

(P234) Keep only in original container.

(P264) Wash hands thoroughly after handling.

(P280) Wear protective gloves / eye protection.

**Additional Labelling**

Keep container tightly closed in a cool place and store bottle upright.

Do not mix with other products.

**2.3 Other hazards** : None identified**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous components**

Chemical Name	CAS-No./EC No	Reg. No	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent
Sodium hydroxide	1310-73-2 215-185-5	01-2119982981-22	Skin corrosion Category 1A H314	>= 50.00 - < 75.00
Sodium carbonate	497-19-8 207-838-8	01-2119485498-19	Eye irritation Category 2 H319	>= 0.10 - < 0.50

**MR MUSCLE Kitchen Drain Unblocker**

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**Additional Information**

For the full text of the H-Statements mentioned in this Section, see Section 16.

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**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

- Inhalation : Move to fresh air.  
Get medical attention immediately.
  
- Skin contact : Take off all contaminated clothing immediately.  
Immediately flush skin with large amounts of water.  
Get medical attention if irritation develops and persists.  
Wash contaminated clothing before re-use.
  
- Eye contact : Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
Flush immediately with plenty of water for at least 15 to 20 minutes.
  
- Ingestion : Do NOT induce vomiting.  
Rinse mouth with water.  
Get medical attention immediately.  
Never give anything by mouth to an unconscious person.

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

- Eyes : Causes serious eye damage.  
No adverse effects expected when used as directed.
  
- Skin effect : Causes severe skin burns.  
No adverse effects expected when used as directed.
  
- Inhalation : No adverse effects expected when used as directed.
  
- Ingestion : Causes digestive tract burns.  
No adverse effects expected when used as directed.

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

See Description of first aid measures unless otherwise stated.

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**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

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- Suitable : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable : None identified
- 5.2 Special hazards arising from the substance or mixture** : In case of fire and/or explosion do not breathe fumes. Exposure to decomposition products may be a hazard to health.
- 5.3 Advice for firefighters** : In the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing and gloves. Refer to current EN or National standard as appropriate.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
- 6.2 Environmental precautions** : Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Use appropriate containment to avoid environmental contamination.
- 6.3 Methods and materials for containment and cleaning up** : Clean residue from spill site. Sweep up and shovel into suitable containers for disposal.
- 6.4 Reference to other sections** : For personal protection see section 8. For disposal considerations see section 13.

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**SECTION 7: HANDLING AND STORAGE**

- 7.1 Precautions for safe handling** : For personal protection see section 8. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Wear personal protective equipment. Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities** : Store in original container. Keep out of the reach of children. Store away from food, beverages and pet food. No decomposition if stored and applied as directed. No decomposition if stored and applied as directed.

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**7.3 Specific end use(s)** : Consumer uses: Private households (= general public = consumers)  
Washing and cleaning products (including solvent based products)

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Occupational Exposure Limit Values**

Components	CAS-No.	mg/m3	ppm	Form of exposure	List
Sodium hydroxide	1310-73-2	2 mg/m3			UK_WELSTEL

Refer to current EN or National standard as appropriate.

**8.2 Exposure controls**

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
- Hand protection : Wear suitable gloves.  
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.  
Before removing gloves clean them with soap and water.
- Eye/face protection : Safety glasses
- Skin and body protection : Wash contaminated clothing before re-use.
- Other information : Wash hands before breaks and at the end of workday.
- Environmental Exposure Controls : Refer to section 6.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

- Appearance : granules
- Colour : white
- Odour : odourless
- Odour Threshold : Test not applicable for this product type
- pH : Test not applicable for this product type
- Melting point/freezing point : Test not applicable for this product type
- Initial boiling point and boiling range : Test not applicable for this product type

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Flash point	:	Test not applicable for this product type	
Evaporation rate	:	Test not applicable for this product type	
Flammability (solid, gas)	:	Does not sustain combustion.	
Upper/lower flammability or explosive limits	:	Test not applicable for this product type	
Vapour pressure	:	No data available	
Vapour density	:	Test not applicable for this product type	
Relative density	:	Test not applicable for this product type	
Solubility(ies)	:	completely soluble	
Partition coefficient: n-octanol/water	:	No data available	
Auto-ignition temperature	:	Test not applicable for this product type	
Decomposition temperature	:	Test not applicable for this product type	
Viscosity, dynamic	:	Test not applicable for this product type	
Viscosity, kinematic	:	Test not applicable for this product type	
Explosive properties	:	Test not applicable for this product type	
Oxidizing properties	:	No data available	
Other information	:	None identified	:

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**SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	:	No dangerous reaction known under conditions of normal use.
<b>10.2 Chemical stability</b>	:	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	:	Exothermic reaction with strong acids.
<b>10.4 Conditions to avoid</b>	:	Extremes of temperature and direct sunlight.
<b>10.5 Incompatible materials</b>	:	Do not mix with acids or any other household products. May release

**SAFETY DATA SHEET**

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Specification Number: 350000006884

SITE FORM Number:  
30000000000000006082.001

dangerous gases (chlorine).

**10.6 Hazardous decomposition products** : No decomposition if stored and applied as directed.**SECTION 11: TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute oral toxicity**

Name	Method	Species	Dose
Product	LD50 estimated		> 2,000 mg/kg

**Acute inhalation toxicity**

Name	Method	Species	Dose	Exposure time
Product	LC50 (vapour) Calculated		> 20 mg/l	

**Acute dermal toxicity**

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

**Acute oral toxicity**

Name	Method	Species	Dose
Sodium hydroxide	No data available		
Sodium carbonate	LD50	Rat	2,800 mg/kg

**Acute inhalation toxicity**

Name	Method	Species	Dose	Exposure time
Sodium hydroxide	No data available			
Sodium carbonate	LC50 (vapour) Measured	Rat	2,300 mg/m <sup>3</sup>	2 h

**Acute dermal toxicity**

**SAFETY DATA SHEET**

(according to Regulation (EC) No. 2015/830)

**MR MUSCLE Kitchen Drain Unblocker**

Version 3.1

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Specification Number: 350000006884

SITE FORM Number:  
30000000000000006082.001

Name	Method	Species	Dose
Sodium hydroxide	LD50	Rabbit	1,350 mg/kg
Sodium carbonate	LD50	Rabbit	> 2,000 mg/kg

- Skin corrosion/irritation : Causes severe skin burns.
- Serious eye damage/eye irritation : Causes serious eye damage.
- Skin sensitisation : 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.
- Toxicity for reproduction : 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.

**SECTION 12: ECOLOGICAL INFORMATION****Product** : The product itself has not been tested.**12.1 Toxicity****Toxicity to fish**

Components	End point	Species	Value	Exposure time
Sodium hydroxide	LC50	Fish	35 - 189 mg/l	96 h
Sodium carbonate	LC50 static test	Lepomis macrochirus	300 mg/l	96 h

**Toxicity to aquatic invertebrates**



**SAFETY DATA SHEET**

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**MR MUSCLE Kitchen Drain Unblocker**

Version 3.1

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SITE FORM Number:

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Components	End point	Species	Value	Exposure time
Sodium hydroxide	EC50	Daphnia magna (Water flea)	40.4 mg/l	48 h
Sodium carbonate	EC50 semi-static test	Ceriodaphnia sp.	200 - 227 mg/l	48 h

**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Sodium hydroxide	No data available			
Sodium carbonate	No data available			

**12.2 Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Sodium hydroxide	No data available		
Sodium carbonate	No data available		

**12.3 Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Sodium hydroxide	0.89 estimated	-1.38
Sodium carbonate	No data available	No data available

**12.4 Mobility**

Component	End point	Value
Sodium hydroxide	No data available	
Sodium carbonate	No data available	

**12.5 PBT and vPvB assessment**

Component	Results
Sodium hydroxide	Not fulfilling PBT and vPvB criteria
Sodium carbonate	Not fulfilling PBT and vPvB criteria

**12.6 Other adverse effects** : None known.

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30000000000000006082.001**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Disposal should be in accordance with local, state or national legislation.  
Please recycle empty packaging.

Packaging : Do not re-use empty containers.

**SECTION 14: TRANSPORT INFORMATION**

	Land transport	Sea transport	Air transport
<b>14.1 UN number</b>	1823	1823	1823
<b>14.2 UN proper shipping name</b>	UN 1823 SODIUM HYDROXIDE, SOLID, MIXTURE, 8, II	UN 1823 SODIUM HYDROXIDE, SOLID, MIXTURE, 8, II	UN 1823 SODIUM HYDROXIDE, SOLID, MIXTURE, 8, II
<b>14.3 Transport hazard class(es)</b>	8	8	8
<b>14.4 Packing group</b>	II	II	II
<b>14.5 Environmental hazards</b>			
<b>14.6 Special precautions for user</b>	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** : This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**SECTION 16: OTHER INFORMATION**

If applicable, revision(s) are noted by the bold bars || in left-hand margin.

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**Further information**

H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.