

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)



MR MUSCLE KITCHEN & BATHROOM DRAIN GEL

Version 4.0

Revision Date 02.02.2010

Print Date 20.06.2011

MSDS Number 350000007542

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Product name : MR MUSCLE Kitchen & Bathroom Drain Gel

Use of the
Substance/Mixture : Drain Cleaner

Company : SC Johnson Ltd.
Frimley Green
Camberley
Surrey
GU16 7AJ

Telephone : +441276852000

E-mail address : ask.uk@scj.com

Emergency telephone : Consumer Care Center
UK - 0800 353 353
Ireland - 1800 409 176

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Causes burns.

Eyes : Causes eye burns.
No adverse effects expected when used as directed.

Skin effect : Causes skin burns.
No adverse effects expected when used as directed.

Inhalation : May cause respiratory tract irritation.
Do not mix with acids or any other household products. May
release dangerous gases (chlorine).
No adverse effects expected when used as directed.

Ingestion : Causes digestive tract burns.
No adverse effects expected when used as directed.

Potential environmental
effects : Not classified as Environmentally Hazardous according to
Directive 1999/45/EC, as amended.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No. EINECS-No.	Symbol(s)	R-phrases(s)	Weight percent
Sodium hypochlorite	7681-52-9	C, N	R31 R34	>= 1.00 - < 5.00

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)



MR MUSCLE KITCHEN & BATHROOM DRAIN GEL

Version 4.0

Revision Date 02.02.2010

Print Date 20.06.2011

MSDS Number 350000007542

	231-668-3		R50	
Sodium hydroxide	1310-73-2 215-185-5	C	R35	$\geq 2.00 - < 5.00$
Amines, C12-18-alkyldimethyl, N-oxides	68955-55-5 273-281-2	N, Xi	R38 R41 R50	$\geq 1.00 - < 5.00$

4. FIRST AID MEASURES

- Inhalation : Move to fresh air.
If breathing is difficult, give oxygen.
If breathing is affected, get medical attention.
- Skin contact : Take off contaminated clothing and shoes immediately.
Immediately flush skin with large amounts of water.
Get medical attention immediately if irritation develops and persists.
Wash contaminated clothing before re-use.
- Eye contact : Remove contact lenses.
Protect unharmed eye.
Flush immediately with plenty of water for at least 15 to 20 minutes.
In case of accidental exposure to chlorine gas:
Get medical attention immediately.
- Ingestion : Rinse mouth with water.
Never give anything by mouth to an unconscious person.
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire fighting : Exposure to decomposition products may be a hazard to health.
In case of fire and/or explosion do not breathe fumes.
- Special protective equipment for fire-fighters : 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.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)



MR MUSCLE KITCHEN & BATHROOM DRAIN GEL

Version 4.0

Revision Date 02.02.2010

Print Date 20.06.2011

MSDS Number 350000007542

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Wear personal protective equipment.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Storage conditions : Keep out of the reach of children.
Do not freeze.
Keep in a cool, well-ventilated place.
Store in original container.

Storage stability : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	mg/m ³	ppm	Form of exposure	List
Sodium hydroxide	1310-73-2	2 mg/m ³			UK_WELSTEL

Personal protective equipment

Respiratory protection : In the case of vapour formation use a 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 protection : Safety glasses

Skin and body protection : Wash contaminated clothing before re-use.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)



MR MUSCLE KITCHEN & BATHROOM DRAIN GEL

Version 4.0

Revision Date 02.02.2010

Print Date 20.06.2011

MSDS Number 350000007542

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	: liquid
Colour	: natural colour
Odour	: characteristic

Safety data

pH	: 13.4 (undiluted)
Flash point	: > 100 °C
Vapour pressure	: no data available
Density	: 1.1 g/cm ³ at 25 °C
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: no data available
Solubility in other solvents	: negligible
Viscosity, dynamic	: 1,500 mPa.s

10. STABILITY AND REACTIVITY

Conditions to avoid	: not applicable
Materials to avoid	: Do not mix with acids or any other household products. May release dangerous gases (chlorine).
Hazardous decomposition products	: Stable under normal conditions.
Hazardous reactions	: None known.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 estimated > 2 g/kg May cause abdominal discomfort.
Acute inhalation toxicity	: No adverse effects expected when used as directed.
Acute dermal toxicity	: No adverse effects expected when used as directed.

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)



MR MUSCLE KITCHEN & BATHROOM DRAIN GEL

Version 4.0

Revision Date 02.02.2010

Print Date 20.06.2011

MSDS Number 350000007542

Skin irritation : Causes skin burns.

Eye irritation : Causes eye burns.

12. ECOLOGICAL INFORMATION

Further information on ecology

Additional ecological information : This preparation is Not Classified as Environmentally Hazardous according to Directive 1999/45/EC, as amended.

13. DISPOSAL CONSIDERATIONS

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.

Contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION

Land transport

ADR:

UN-Number 3266
Class 8
ADR/RID-Labels 8
Packaging group II
Proper shipping name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, hypochlorite)
Derogation Limited quantities derogation may be applicable to this product, please check transport documents.

Sea transport

IMDG:

UN-Number 3266
Class 8
Packaging group II
ADR/RID-Labels: 8
Proper shipping name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, hypochlorite)
EmS F-A, S-B
Marine pollutant
Derogation Limited quantities derogation may be applicable to this product, please check transport documents.

Air transport

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)



MR MUSCLE KITCHEN & BATHROOM DRAIN GEL

Version 4.0

Revision Date 02.02.2010

Print Date 20.06.2011

MSDS Number 350000007542

■ ICAO/IATA:

Derogation

SC Johnson typically does not ship products via air, therefore it has not been determined if the product container meets current IATA/ICAO package criteria. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Hazardous components which must be listed on the label:

Chemical Name	CAS-No.	Weight percent
Sodium hydroxide	1310-73-2	

Symbol(s) : C Corrosive

R-phrases : R34 Causes burns.

S-phrases : S 1/2 Keep locked up and out of the reach of children.
S24/25 Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water For at least 20 minutes and seek medical advice.
After contact with skin, take off immediately all contaminated clothing and wash with plenty of water for at least 20 minutes and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Special labelling of certain mixtures : Warning! Do not use together with other products. May release dangerous gases (chlorine).
Keep container tightly closed in a cool place and store bottle upright.

: The product is classified and labelled in accordance with Directive 1999/45/EC.

Notification status : All components are included on all applicable EU inventories.
Detergents regulations

Contains

< 5% amphoteric surfactants, chlorine-based bleaching agents, soap

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)



MR MUSCLE KITCHEN & BATHROOM DRAIN GEL

Version 4.0

Revision Date 02.02.2010

Print Date 20.06.2011

MSDS Number 350000007542

ALSO CONTAINS

16. OTHER INFORMATION

Further information

Full text of R-phrases referred to under sections 2 and 3

R31	Contact with acids liberates toxic gas.
R34	Causes burns.
R50	Very toxic to aquatic organisms.
R35	Causes severe burns.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.

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.