

# SAFETY DATA SHEET

(according to EC directive 2001/58/EC)



## MR MUSCLE Aerosol Oven Cleaner

Version .  
Revision Date 04.03.2008

Print Date 05.03.2008  
MSDS Number 350000008112

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product information

Product name : MR MUSCLE Aerosol Oven Cleaner

Use of the Substance/Preparation : Oven Cleaner

Company : SC Johnson Ltd.  
Frimley Green  
Camberley

Telephone : Surrey  
GU16 7AJ  
+441276852000

E-mail address : ask.uk@scj.com  
Emergency telephone number : Consumer Care Center  
UK - 0800 353 353  
Ireland - 1800 409 176

### 2. HAZARDS IDENTIFICATION

#### Risk advice to man and the environment

Causes severe burns., Extremely flammable., Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

Eyes : Causes severe eye burns.

Skin effect : Causes severe skin burns.

Inhalation : Causes respiratory tract irritation. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

Ingestion : Causes severe digestive tract burns.

Potential environmental effects : Not classified as Environmentally Hazardous according to Directive 1999/445/EC, as amended.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Chemical Name	CAS-No.	Symbol(s)	R-phrase(s)	Weight %
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Sodium hydroxide	1310-73-2	C	R35	>= 2.00 - < 5.00
Butane	106-97-8	F+	R12	>= 1.00 - < 5.00
Propane	74-98-6	F+	R12	>= 1.00 - < 5.00

### 4. FIRST AID MEASURES

- Inhalation : Move to fresh air.  
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.  
Get medical attention immediately.  
Flush immediately with plenty of water for at least 15 to 20 minutes.
- Ingestion : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.  
Never give anything by mouth to an unconscious person.

### 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 : Heating may cause an explosion.  
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.
- Further information : Use water spray to cool unopened containers.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.  
Remove all sources of ignition.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.

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Prevent further leakage or spillage if safe to do so.

Methods for cleaning up : If damage occurs to aerosol can:  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 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.  
Take precautionary measures against static discharges.  
Do not use in areas without adequate ventilation.  
Wear personal protective equipment.  
Do not puncture.  
Do not breathe vapours or spray mist.

Advice on protection against fire and explosion : Use explosion-proof equipment.  
Do not spray on a naked flame or any other incandescent material.  
Keep away from heat and sources of ignition.  
Take measures to prevent the build up of electrostatic charge.

#### Storage

Storage conditions : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
No smoking.  
Store in cool place.  
Keep out of the reach of children.

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 <sup>3</sup>	ppm	Form of exposure	List
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup>			UK_WELSTEL
Butane	106-97-8	1,810 mg/m <sup>3</sup>	750 ppm		UK_WELSTEL

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		1,450 mg/m3	600 ppm		UK_WELTWAS
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### Personal protective equipment

- 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 89/689/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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

- Form : aerosol
- Colour : white
- Odour : characteristic

### Safety data

- pH : ca.14
- Flash point : < 0 °C
- Vapour pressure : Note: no data available
- Partition coefficient (n-octanol/water) : Note: no data available
- Viscosity, dynamic : Note: no data available

## 10. STABILITY AND REACTIVITY

- Conditions to avoid : Heat, flames and sparks.
- Materials to avoid : Acids

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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 : LC50  
estimated > 2 g/l

Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.  
Excessive exposure to spray mist, fog, or vapour may cause severe respiratory irritation.  
Irritating to respiratory system.

Acute dermal toxicity : LD50 estimated  
> 2 g/kg  
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:

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UN-No. 1950  
Class 2  
ADR/RID-Labels 2.2, 8  
Packaging group  
Proper shipping name AEROSOLS, corrosive  
Derogation Limited quantities derogation may be applicable to this product, please check transport documents.

### Sea transport

▪ *IMDG:*

UN-No. 1950  
Class 2  
Packaging group  
ADR/RID-Labels: 2.2, 8  
Proper shipping name AEROSOLS, corrosive  
EmS F - D, S - U  
Marine pollutant  
Derogation Limited quantities derogation may be applicable to this product, please check transport documents.

### Air transport

▪ *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 %
SODIUM HYDROXIDE	1310-73-2	4.32

Symbol(s) : F+ Extremely flammable  
C Corrosive

R-phrase(s) : R12 Extremely flammable.  
R35 Causes severe burns.  
R37 Irritating to respiratory system.

S-phrase(s) : S 1/2 Keep locked up and out of the reach of

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S16	children. Keep away from sources of ignition - No smoking.
S23	Do not breathe spray.
S24/25	Avoid contact with skin and eyes.
S26	In Case Of Contact With Eyes, Rinse Immediately With Plenty Of Water For At Least 20 Minutes And Seek Medical Advice.
S28	After Contact With Skin, Wash Immediately With Plenty Of Cold 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).
S51	Use only in well-ventilated areas.

Special labelling of certain preparations : Caution  
Use only as directed.  
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.  
Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

### Detergents regulations

#### Contains

< 5% Anionic surfactants, aliphatic hydrocarbons, polycarboxylates,

#### ALSO CONTAINS

perfume Methylchlorisothiazolinone, methylisothiazolinone Limonene

## 16. OTHER INFORMATION

### Further information

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

R35	Causes severe burns.
R12	Extremely flammable.

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