

SAFETY DATA SHEET

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

**MR MUSCLE® WASHROOM CLEANER (Professional)**

Version 1.0

Revision Date 02.12.2016

Print Date 27.03.2017

Specification Number: 350000025867

SITE FORM Number:
30000000000000010977.001**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier** : MR MUSCLE® WASHROOM CLEANER (Professional)**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 known.**1.3 Details of the supplier of the safety data sheet** : SC Johnson Ltd.
Frimley Green
Camberley

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
Eye irritation	Category 2A	Causes serious eye irritation.

2.2 Label elements

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

Hazard symbols**Signal word**

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Warning

Active Ingredients (BPR)

l-(+)-lactic acid 1.76% (1.76g/100g)

Hazard statements

(H319) Causes serious eye irritation.

Precautionary statements

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

(P102) Keep out of reach of children.

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

(P337 + P313) If eye irritation persists: Get medical advice/ attention.

(P260) Do not breathe spray.

(P264) Wash hands thoroughly after handling.

Additional Labelling

Use only in well-ventilated areas.

As with any household product avoid prolonged skin contact with this product

For professional users only.

Detergents regulations

:

Contains

< 5% non-ionic surfactants, Disinfectants, perfume , Limonene

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
Alcohols, C9-11, ethoxylated	68439-46-3	-	Serious eye damage Category 1	>= 1.00 - < 5.00

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			H318	
I-(+)-lactic acid	79-33-4 201-196-2	01-2119474164-39	Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 1 H318	>= 1.00 - < 5.00

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- | | | |
|--------------|---|--|
| Inhalation | : | No special requirements |
| Skin contact | : | Rinse with plenty of water.
Get medical attention if irritation develops and persists. |
| Eye contact | : | Remove contact lenses.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| Ingestion | : | Rinse mouth with water.
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. |

4.2 Most important symptoms and effects, both acute and delayed

- | | | |
|-------------|---|--|
| Eyes | : | Causes eye irritation.
No adverse effects expected when used as directed. |
| Skin effect | : | May irritate skin.
No adverse effects expected when used as directed. |

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Inhalation : No adverse effects expected when used as directed.

Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.
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.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

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.
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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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

6.2 Environmental precautions : Outside of normal use, avoid release to the environment.
Prevent large amounts of product from entering drains.
Use appropriate containment to avoid environmental contamination.
Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Clean residue from spill site.
Keep in suitable, closed containers for disposal.

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6.4 Reference to other sections : For personal protection see section 8.
For disposal considerations see section 13.

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** : Do not freeze.
Keep out of the reach of children.
No decomposition if stored and applied as directed.
- 7.3 Specific end use(s)** : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Washing and cleaning products (including solvent based products)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limit Values

Contains no substances with occupational exposure limit values.

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

- Respiratory protection** : In the case of vapour formation use a respirator with an approved filter.
- Hand protection** : Wear suitable gloves.
Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.
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** : Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
When using do not smoke.

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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	: liquid
Colour	: yellow
Odour	: Citrus
Odour Threshold	: Test not applicable for this product type
pH	: > 2
Melting point/freezing point	: Test not applicable for this product type
Initial boiling point and boiling range	: > 100 °C
Flash point	: > 100 °C
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: Test not applicable for this product type
Upper/lower flammability or explosive limits	: Test not applicable for this product type
Vapour pressure	: Test not applicable for this product type
Vapour density	: Test not applicable for this product type
Relative density	: > 1 g/cm ³
Solubility(ies)	: soluble
Partition coefficient: n-octanol/water	: Test not applicable for this product type
Auto-ignition temperature	: Test not applicable for this product type
Decomposition temperature	: Test not applicable for this product type

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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 : Test not applicable for this product type

Other information : None identified

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity** : No dangerous reaction known under conditions of normal use.**10.2 Chemical stability** : Stable under recommended storage conditions.**10.3 Possibility of hazardous reactions** : None known.**10.4 Conditions to avoid** : Extremes of temperature and direct sunlight.**10.5 Incompatible materials** : None known.**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 Measured	Rat	> 5,000 mg/kg

Acute inhalation toxicity

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

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

Acute oral toxicity

Name	Method	Species	Dose
Alcohols, C9-11, ethoxylated	LD50 Measured	Rat	1,400 mg/kg
l-(+)-lactic acid	LD50	Rat	3,543 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Alcohols, C9-11, ethoxylated	LC50 (vapour) Measured	Rat	0.1 mg/l	6 h
l-(+)-lactic acid	LC50 (dust and mist)	Rat	> 7.94 mg/l	4 h

Acute dermal toxicity

Name	Method	Species	Dose
Alcohols, C9-11, ethoxylated	LD50 Measured		5,000 mg/kg
l-(+)-lactic acid	LD50	Rabbit	> 2,000 mg/kg

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation : Causes serious eye irritation.

Skin sensitisation : Based on available data, the classification criteria are not met.

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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
Alcohols, C9-11, ethoxylated	LC50 static test	Oncorhynchus mykiss (rainbow trout)	5 - 7 mg/l	96 h
l-(+)-lactic acid	LC50 static test	Oncorhynchus mykiss (rainbow trout)	100 - 180 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Alcohols, C9-11, ethoxylated	EC50 static test	Daphnia magna (Water flea)	2.5 mg/l	48 h
	EC10	Daphnia	2.58 mg/l	21 d
l-(+)-lactic acid	EC50 static test	Daphnia magna (Water flea)	130 mg/l	48 h

Toxicity to aquatic plants

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Components	End point	Species	Value	Exposure time
Alcohols, C9-11, ethoxylated	EC50	Algae	1.4 - 47 mg/l	72 h
l-(+)-lactic acid	EC50 static test	Pseudokirchneriella subcapitata (green algae)	> 2,800 mg/l	72 h

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Alcohols, C9-11, ethoxylated	60 %	28 d	Readily biodegradable
l-(+)-lactic acid	67 %	20 d	Readily biodegradable

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Alcohols, C9-11, ethoxylated	No data available	3.11 - 4.19
l-(+)-lactic acid	No data available	-0.62

12.4 Mobility in soil

Component	End point	Value
Alcohols, C9-11, ethoxylated	No data available	
l-(+)-lactic acid	log Koc	< 1.32

12.5 Results of PBT and vPvB assessment

Component	Results
Alcohols, C9-11, ethoxylated	Not fulfilling PBT and vPvB criteria
l-(+)-lactic acid	Not fulfilling PBT and vPvB criteria

12.6 Other adverse effects : None known.**SECTION 13: DISPOSAL CONSIDERATIONS**

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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

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

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.

Key abbreviations or acronyms used

EC - European Community
EEC – European Economic Community
CLP – Classification Labelling & Packaging
EN – European Standard or European Norm
PBT – Persistent, Bioaccumulative & Toxic
vPvB – very persistent, very bioaccumulative
UN – United Nations

Evaluation methods

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Unless otherwise stated in section 11, the procedure used to derive the human health classification is the relevant calculation method according to CLP regulation (EC) No 1272/2008 as amended.

Unless otherwise stated in section 12, the procedure used to derive the environmental classification is the summation of the classified components method according to CLP regulation (EC) No 1272/2008 as amended.

Full text of H-Statements

H315	Causes skin irritation.
H318	Causes serious eye damage.

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.