Mr Muscle® Multi-Surface Cleaner (Professional)

Version *1*.0
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Specification Number: 350000025918
SITE FORM Number:
300000000000000010979.002

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

1.1 Product identifier : Mr Muscle® Multi-Surface 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 identified

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)

This product does not meet the criteria for classification in any hazard class according to regulation (EC) 1272/2008.

2.2 Label elements

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

Active Ingredients (BPR)
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides 0.11% (0.11g/100g)
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides 0.11% (0.11g/100g)

Precautionary statements
(P102) Keep out of reach of children.
(P101) If medical advice is needed, have product container or label at hand.
(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(P260) Do not breathe spray.
(P264) Wash hands thoroughly after handling.

EUH Statements

(EUH210) Safety data sheet available on request.

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
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5 269-919-4	-	Skin corrosion Category 1 H314 Chronic aquatic toxicity Category 2 H411 Acute aquatic toxicity Category 1 H400 Acute toxicity	>= 0.10 - < 0.50

			Category 4 H302 Acute toxicity Category 3 H311 Acute toxicity Category 2 H330 M-Factor Acute - 10	
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	85409-23-0 287-090-7	-	Chronic aquatic toxicity Category 1 H410 Acute aquatic toxicity Category 1 H400 Acute toxicity Category 4 H302 Acute toxicity Category 3 H311 Acute toxicity Category 2 H330 M-Factor Acute - 10 M-Factor Chronic - 1	>= 0.10 - < 0.50

Additional Information
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	:	Rinse with plenty of water. Get medical attention if irritation develops and persists.
Ingestion	:	If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Eyes	:	No adverse effects expected when used as directed.
Skin effect	:	No adverse effects expected when used as directed.
Inhalation	:	No adverse effects expected when used as directed.
Ingestion	:	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.

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.

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.
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	:	No personal respiratory protective equipment normally required.
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	:	No special requirements.
Skin and body protection	:	Wear suitable protective clothing. 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	:	liquid
Colour	:	colourless
Odour	:	Citrus
Odour Threshold	:	Test not applicable for this product type
pH	:	10.8 - 11.4
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)	:	The product is not flammable.

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/cm3 at 37 °C
Solubility(ies)	:	completely 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
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
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 Calculated		> 2,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Product	LC50 (dust and mist) Calculated		> 5 mg/l	

Acute dermal toxicity

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

Acute oral toxicity

Name	Method	Species	Dose
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	LD50	Rat	304.5 mg/kg
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	LD50	Rat	304.5 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	LC50 (vapour)	Rat	0.054 mg/l	
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimeth	LC50 (vapour)	Rat	0.054 mg/l	

yl, chlorides				

Acute dermal toxicity

Name	Method	Species	Dose
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	LD50	Rat	930 mg/kg
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	LD50	Rat	930 mg/kg

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

Serious eye damage/eye irritation : Based on available data, the classification criteria are not met.

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
Quaternary ammonium	LC50 semi-static test	Lepomis macrochirus	0.28 mg/l	96 h

compounds, benzyl-C12-18-alkyldimethyl, chlorides	NOEC	(Bluegill sunfish) Pimephales promelas (fathead minnow)	0.03 mg/l	34 d
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	LC50 semi-static test NOEC	Lepomis macrochirus (Bluegill sunfish) Pimephales promelas (fathead minnow)	0.28 mg/l 0.03 mg/l	96 h 34 d

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	EC50	Daphnia magna (Water flea)	0.0059 mg/l	48 h
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl , chlorides	EC50	Daphnia magna (Water flea)	0.0059 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	EC50		0.03 mg/l	
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	EC50		0.03 mg/l	

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	60 %	13 d	Readily biodegradable
Quaternary ammonium compounds,	60 %	13 d	Readily biodegradable

C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides			

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	182.8	3.91
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	182.8	3.91

12.4 Mobility in soil

Component	End point	Value
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	Koc	640389 - 6171657
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	Koc	640389 - 6171657

12.5 Results of PBT and vPvB assessment

Component	Results
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	Not fulfilling PBT and vPvB criteria
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	Not fulfilling PBT and vPvB criteria

12.6 Other adverse effects : None known.

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
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

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

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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.