

**SAFETY DATA SHEET**

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



**Mr Muscle® Floor and Wood Cleaner (Professional)**

Version 1.0  
Revision Date 02.12.2016

Print Date 27.03.2017  
Specification Number: 350000027337  
SITE FORM Number:  
30000000000000006605.003

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

**1.1 Product identifier** : Mr Muscle® Floor and Wood 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
Serious eye damage	Category 1	Causes serious eye damage.

**2.2 Label elements**

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

**Hazard symbols**



**Signal word**

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Danger

**Contains**

Alcohols, C13-15-branched and linear, ethoxylated EO=8

**Hazard statements**

(H318) Causes serious eye damage.

**Precautionary statements**

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

(P102) Keep out of reach of children.

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

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

(P280) Wear eye protection.

(P264) Wash hands thoroughly after handling.

**Additional Labelling**

Avoid prolonged skin contact with this product.

For professional users only.

**Contains**

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one; and 2-methyl-2H -isothiazol-3-one(3:1)

d-Limonene

May produce an allergic reaction.

**Detergents regulations****Contains**

&lt; 5% soap, non-ionic surfactants, perfume, Limonene, GERANIOL, Dimethylol Glycol, Methylchloroisothiazolinone, Methylisothiazolinone

**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, C13-15-branched and linear, ethoxylated EO=8	157627-86-6 500-337-8	02-2119548515-35-0000	Chronic aquatic toxicity	>= 1.00 - < 5.00

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			Category 3 H412 Serious eye damage Category 1 H318 Acute toxicity Category 4 H302	
d-Limonene	5989-27-5 227-813-5	01-2119529223-47	Flammable liquids Category 3 H226 Skin irritation Category 2 H315 Skin sensitisation Category 1 H317 Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity Category 1 H410 M-Factor Acute - 1 M-Factor Chronic - 1	>= 0.10 - < 0.50

WEL substance

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(2-methoxymethylethoxy)propanol	34590-94-8 252-104-2	01-2119450011-60	>= 1.00 - < 5.00
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**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 : Move to fresh air.  
If breathing is affected, get medical attention.
- Skin contact : Rinse with plenty of water.  
Get medical attention if irritation develops and persists.
- 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.  
Get medical attention immediately.
- Ingestion : If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.  
Rinse mouth with water.

**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 : 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**

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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.
- 6.2 Environmental precautions** : Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. 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** : 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.

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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,** : Do not freeze.

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**including any incompatibilities**      Keep out of the reach of children.  
 Store away from food, beverages and pet food.  
 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**

Components	CAS-No.	mg/m3	ppm	Form of exposure	List
(2-methoxymethylethoxy)propanol	34590-94-8	308 mg/m3	50 ppm		EUOEL_TWAS
		308 mg/m3	50 ppm		UK_WELTWAS
		924 mg/m3	150 ppm		UK_WELSTEL

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.  
 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.  
 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**

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Appearance	: liquid
Colour	: brown
Odour	: Woody
Odour Threshold	: Test not applicable for this product type
pH	: 8.5 - 9.5
Melting point/freezing point	: 32 °F
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	: 1.002 g/cm <sup>3</sup> at 20 °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	: 500 - 900 mPa.s at 25 °C
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

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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.
- 10.5 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 (vapour) estimated		> 20 mg/l	

**Acute dermal toxicity**

Name	Method	Species	Dose
Product	LD50 estimated		> 2 g/kg



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Name	Method	Species	Dose
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available		
d-Limonene	LD50 Measured	Rat	> 2,000 mg/kg

Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available			
d-Limonene	No data available			

**Acute dermal toxicity**

Name	Method	Species	Dose
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available		
d-Limonene	LD50	Rabbit	> 5,000 mg/kg

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

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Components	End point	Species	Value	Exposure time
Alcohols, C13-15-branched and linear, ethoxylated EO=8	LC50	Oncorhynchus mykiss (rainbow trout)	> 1 - < 10 mg/l	48 h
d-Limonene	LC50 semi-static test	Pimephales promelas (fathead minnow)	0.41 mg/l	96 h
(2-methoxymethylethoxy)propanol	LC50 static test	Poecilia reticulata (guppy)	> 1,000 mg/l	96 h

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Daphnia magna (Water flea)	> 1 - < 10 mg/l	48 h
d-Limonene	EC50 static test	Daphnia magna (Water flea)	0.36 mg/l	48 h
	NOEC QSAR	Daphnia magna	0.115 mg/l	16 d
(2-methoxymethylethoxy)propanol	LC50 static test	Daphnia magna (Water flea)	1,919 mg/l	48 h

**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Desmodesmus subspicatus (green algae)	> 1 - < 10 mg/l	72 h

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d-Limonene	NOEC static test	Pseudokirchneriella subcapitata (green algae)	0.05 mg/l	72 h
(2-methoxymethylethoxy)propanol	EC50	Pseudokirchneriella subcapitata (green algae)	969 mg/l	72 h

**12.2 Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Alcohols, C13-15-branched and linear, ethoxylated EO=8	60 %	28 d	Readily biodegradable
d-Limonene	80 %	28 d	Readily biodegradable
(2-methoxymethylethoxy)propanol	96 %	28 d	Readily biodegradable

**12.3 Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	No data available
d-Limonene	1,022 QSAR	4.38
(2-methoxymethylethoxy)propanol	< 100 Calculated	0.004

**12.4 Mobility in soil**

Component	End point	Value
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	
d-Limonene	Koc	6324
(2-methoxymethylethoxy)propanol	No data available	

**12.5 Results of PBT and vPvB assessment**

Component	Results
Alcohols, C13-15-branched and linear, ethoxylated EO=8	Not fulfilling PBT and vPvB criteria

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d-Limonene	Not fulfilling PBT and vPvB criteria
(2-methoxymethylethoxy)propanol	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**

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EC - European Community

EEC – European Economic Community

CLP – Classification Labelling &amp; Packaging

EN – European Standard or European Norm

PBT – Persistent, Bioaccumulative &amp; 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**

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful 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.