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



SC Johnson Professional Mr Muscle® Kitchen Disinfectant

Version 3.1 Revision Date 08.03.2021 Print Date 22.04.2021 Specification Number: 350000032933 SITE FORM Number: 30000000000000021749.004

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

1.1 Product identifier : SC Johnson Professional Mr Muscle® Kitchen Disinfectant

UFI: KF6X-52K7-E00E-GR9K

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Biocidal product (disinfectant)

Biocidal product (disinfection in food areas)

Uses advised against : None known.

1.3 Details of the supplier of the

safety data sheet

SC Johnson Professional Ltd.

Denby DE5 8JZ UK

SC Johnson Professional GmbH

Girmesgath 47803 Krefeld

EU

Telephone : +44 (0) 1773 855 100

E-mail address : talktous@scj.com

1.4 Emergency telephone

number

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

Poison Center:

Ireland, NPIC - 01 809 2166 (Available 8.am-10pm, 7 days a week) Ireland, NPIC - 01 809 2566 (Healthcare Professionals only) UK, NPIS - 0344 8920111 (Healthcare Professionals only)

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Hazard classification	Hazard category	Hazards identification
Long-term (chronic) aquatic hazard	Category 3	Harmful to aquatic life with long
		lasting effects.

2.2 Label elements

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

Active Ingredients (BPR)

Alkyl (C12-16) dimethylbenzyl ammonium chloride 0.264% (0.264g/100g)

Hazard statements

(H412) Harmful to aquatic life with long lasting effects.

Precautionary statements

(P102) Keep out of reach of children.

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

(P264) Wash hands thoroughly after handling.

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

(P501) Dispose of contents /container in accordance with local regulations.

(P260) Do not breathe spray.

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



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Additional Labelling

Use only in well-ventilated areas. For professional users only

Detergents regulations : Contains

< = 5% amphoteric surfactants, 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
1,1'-iminodipropan-2-ol	110-97-4 203-820-9	01-2119475444-34	Eye irritation Category 2 H319	>= 1.00 - < 5.00
Amines, C12-14 (even numbered)-alkyldimethyl, N- oxides	308062-28-4 931-292-6	01-21119490061-47	Short-term (acute) aquatic hazard Category 1 H400 Long-term (chronic)	>= 0.10 - < 0.50

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Quaternary ammonium	68424-85-1	01-2119983287-23	aquatic hazard Category 2 H411 Serious eye damage/eye irritation Category 1 H318 Skin corrosion/irritation Category 2 H315 Acute toxicity Category 4 H302 M-Factor Acute - 1 Skin corrosion	>= 0.10 - <
	68424-85-1 270-325-2	01-2119983287-23	Category 1 H314 Serious eye damage Category 1 H318	>= 0.10 - < 0.50

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Long-term (chronic)
aquatic hazard
444416 1142414
Category 1
H410
Short-term (acute) aquatic
hazard
Category 1
H400
Acute toxicity
Category 4
H302
Acute toxicity
Category 3
H311
Acute toxicity
Category 3
H331
M-Factor Acute - 10
M-Factor Chronic - 1

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ethyl alcohol	64-17-5	01-2119457610-43	Flammable liquids	>= 0.00 - <
	200-578-6		Category 2	0.10
			H225	
			Serious eye damage/eye	
			irritation	
			Category 2	
			H319	

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.

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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.

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



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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

Outside of normal use, avoid release to the environment. Prevent large amounts of 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.

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.

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



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7.3 Specific end use(s) : Professional uses: Public domain (administration, education, entertainment,

services, craftsmen)

Consumer uses: Private households (= general public = consumers)

Biocidal product (disinfectant)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limit Values

Components	CAS-No.	mg/m3	ppm	Form of exposure	List
ethyl alcohol	64-17-5	1,920	1,000		UK_WELTWAS
		mg/m3	ppm		
		5,760	3,000		UK_WELSTEL
		mg/m3	ppm		

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.

Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.

Eye/face protection : No special requirements.

Skin and body protection : No special requirements.

Other information : Wash hands before breaks and at the end of workday.

Environmental Exposure Controls : Refer to section 6.

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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

Melting point/freezing point : Test not applicable for this product type

Initial boiling point and boiling range : Test not applicable for this product type

Flash point : does not flash

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 : 0.998 g/cm3

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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 : similar to water

Viscosity, kinematic : similar to water

Explosive properties : Test not applicable for this product type

Oxidizing properties : Test not applicable for this product type

9.2 Other information

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.

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10.6 Hazardous decomposition

products

: No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity

Name	Method	Species	Dose
Product	LD50		> 5,000 mg/kg
	Measured OECD Test Guideline 425		

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Product	LC50 (dust and mist) Measured OECD Test Guideline 403	Rat	> 5 mg/l	

Acute dermal toxicity

Name	Method	Species	Dose
Product	LD50	Rat	> 5,000 mg/kg
	Measured		
	OECD Test Guideline		

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Acute oral toxicity

Name	Method	Species	Dose
1,1'-iminodipropan-2-ol	LD50	Rat	4,765 mg/kg
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	LD50	Rat	1,064 mg/kg
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	LD50	Rat	426 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
1,1'-iminodipropan-2-ol	No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N- oxides	No data available			
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available			

Acute dermal toxicity

Method	Species	Dose
.D50	Rabbit	8,000 mg/kg
-		

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Amines, C12-14 (even numbered)-alkyldimethyl, Noxides	LD50	Rat	> 2,000 mg/kg
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	LD50	Rat	930 mg/kg

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

Guideline 404

Serious eye damage/eye

irritation

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

OECD Test Guideline 405

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

Guideline 406

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.

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12.1 Toxicity

Toxicity to fish

Components	End point	Species	Value	Exposure time
1,1'-iminodipropan-2-ol	LC50	Danio rerio (zebra fish)	1,466 mg/l	96 h
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	LC50	Fish	0.6 - 32 mg/l	96 h
	NOEC flow-through test Read-across (Analogy)	Pimephales promelas (fathead minnow)	0.42 mg/l	302 d
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	LC50 Measured OECD Test Guideline 203	Pimephales promelas (fathead minnow)	0.28 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.03 mg/l	34 d
ethyl alcohol	LC50	Fish	11,200 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time

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1,1'-iminodipropan-2-ol	EC50	Daphnia magna Straus	277.7 mg/l	48 h
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	EC50	Daphnia (water flea)	0.5 - 10.8 mg/l	48 h
	NOEC flow-through test Read-across (Analogy)	Daphnia magna (Water flea)	0.7 mg/l	21 d
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	EC50	Daphnia magna (Water flea)	0.016 mg/l	48 h
	NOEC	Daphnia magna	0.0042 mg/l	21 d
ethyl alcohol	LC50 static test	Ceriodaphnia dubia	5,012 mg/l	48 h
	NOEC	Daphnia magna	9.6 mg/l	9 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
1,1'-iminodipropan-2-ol	EC50	Desmodesmus subspicatus (green algae)	339 mg/l	72 h
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	ErC50	Algae	0.075 mg/l	72 h
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	EC50	Selenastrum capricornutum, Skeletonema costatum	0.026 mg/l	72 h
ethyl alcohol	EC50 Static	Chlorella vulgaris	275 mg/l	72 h

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	(Fresh water algae)	

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
1,1'-iminodipropan-2-ol	94 %	28 d	Readily biodegradable.
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	95.27 %	28 d	Readily biodegradable.
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	95.5 %	28 d	Readily biodegradable.
ethyl alcohol	97 %	28 d	Readily biodegradable.

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
1,1'-iminodipropan-2-ol	3.16 estimated	-0.79
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	> 87	< 2.7
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	79 Measured	3.91
ethyl alcohol	3.2 estimated	-0.35 Measured

12.4 Mobility in soil

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Component	End point	Value
1,1'-iminodipropan-2-ol	Кос	43 estimated
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	Кос	> 2113 Calculated
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available	
ethyl alcohol	No data available	

12.5 Results of PBT and vPvB assessment

Component	Results
1,1'-iminodipropan-2-ol	Not fulfilling PBT and vPvB criteria
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	Not fulfilling PBT and vPvB criteria
Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl, chlorides	Not fulfilling PBT and vPvB criteria
ethyl alcohol	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.

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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

Regula

This safety datasheet complies with the requirements of:

Regulation (EC) No. 1907/2006.

Regulation (EC) No. 1272/2008 (CLP) as amended (not applicable to

cosmetics)

Regulation (EC) No. 528/2012 as amended (applicable to biocidal products)

Directive (EEC) No. 75/324 as amended (applicable to aerosols)

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Regulation (EC) No. 1223/2009 amended (applicable to cosmetic products)

Regulation (EC) No. 684/2001 The surfactants contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No.648/2004 for detergents (applicable to detergents).

Directive (EC) No. 2001/95/EC - General Product Safety Directive

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

Directive 2012/18/EU Seveso

Regulation 850/2004 on persistent organic pollutants and amending Directive 79/117/EEC

WGK classification

SZW list of carcinogenic, mutagenic and reproductively toxic substances

15.2 Chemical safety assessment : Not required for consumer products.

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

 ${\sf EEC-European\ Economic\ Community}$

CLP - Classification Labelling & Packaging

EN – European Standard or European Norm

PBT – Persistent, Bioaccumulative & Toxic

vPvB – very persistent, very bioaccumulative

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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

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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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.