

Version 3.1 Revision Date 08.03.2021 Print Date 22.04.2021 Specification Number: 350000032933 SITE FORM Number: 3000000000000021749.004

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	e sub	ostance 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	:	<u>talktous@scj.com</u>			
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.



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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		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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			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	
Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides	68424-85-1 270-325-2	01-2119983287-23	Skin corrosion Category 1 H314 Serious eye damage	>= 0.10 - < 0.50
			Category 1	
			H318	
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Long-term (chronic)
aquatic hazard
Category 1
H410
Short-term (acute) aquatic hazard
Category 1
H400
Acute toxicity
Category 4
Н302
Acute toxicity
Category 3
H311
Acute toxicity
Category 3
H331
M-Factor Acute - 10
M-Factor Chronic - 1



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

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6.1 Personal precautions, : Use personal protective equipment. protective equipment and emergency procedures 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 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, : containment and cleaning up 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. Do not freeze. 7.2 Conditions for safe storage, : including any incompatibilities Keep out of the reach of children. No decomposition if stored and applied as directed.



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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)
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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



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10.1 Reactivity	:	No dangerous reaction known under conditions of normal use.	
SECTION 10: STABILITY AND REACTIVITY			
Other information	:	None identified :	
9.2 Other information			
Oxidizing properties	:	Test not applicable for this product type	
Explosive properties	:	Test not applicable for this product type	
Viscosity, kinematic	:	similar to water	
Viscosity, dynamic	:	similar to water	
Decomposition temperature	:	Test not applicable for this product type	
Auto-ignition temperature	:	Test not applicable for this product type	
Partition coefficient: n- octanol/water	:	Test not applicable for this product type	
Solubility(ies)	:	completely soluble	

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10.5 Incompatible materials	: None known.	
10.4 Conditions to avoid	: Extremes of temperature and direct sunlight.	
10.3 Possibility of hazardous reactions	: None known.	
10.2 Chemical stability	: Stable under recommended storage conditions.	
10.1 Reactivity	: No dangerous reaction known under conditions of normal use.	



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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	5	
	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

Name	Method	Species	Dose
1,1'-iminodipropan-2-ol	LD50	Rabbit	8,000 mg/kg



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Amines, C12-14 (even numbered)-alkyldimethyl, N oxides	-	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, th Guideline 404	ne classification criteria are n	ot met.OECD Test		
Serious eye damage/eye irritation		Based on available data, the classification criteria are not met. DECD Test Guideline 405				
Skin sensitisation		Based on available data, the classification criteria are not met.OECD Test Guideline 406				
Germ cell mutagenicity	: 1	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 CONSIDERATION	NS	
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		

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 : This safety datasheet complies with the requirements of: environmental regulations/legislation specific for the substance or mixture : 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) 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

- 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.	
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