

Safety Data Sheet

According to Australian CoP Preparation of Safety Data Sheets for Hazardous Chemicals, Feb 2016 and New Zealand HSNO CoP 8-1 09-06



Mr Muscle Kitchen - Surface Spray Disinfectant - Household Grade, Lemon

Version 1.0

Print Date 18.11.2020

Revision Date 19.07.2017

SDS Number 350000032933

GEN_SOF Number 60800

1. PRODUCT AND COMPANY IDENTIFICATION

- Product identifier** : Mr Muscle Kitchen - Surface Spray Disinfectant - Household Grade, Lemon
- Other means of Identification** : 350000032933
- Recommended use** : Hard Surface Cleaner
- Restrictions on use** : Use only as directed on label
- Australia** : S.C. Johnson & Son Pty. Ltd.
ABN 71. 000 021 009
160 Epping Road, Lane Cove, N.S.W. 2066. Australia
Telephone: +61 2 9428 9111
- New Zealand** : S.C. Johnson & Son Pty. Ltd
79 Queen Street
Auckland 1010
New Zealand
Telephone: +64 9 573 2850
- Emergency telephone numbers** : Australia: (8:30am – 17:30pm Mon-Thurs, 8:30am – 17:00pm Fri AEST) +61 2 9428 9111
New Zealand: (9:00am – 14:00pm Mon-Fri NZDT) +64 9 573 2850
- Poison Information Contacts** : Australia: 13 11 26
New Zealand : 0800 764 766 or 0800 POISON

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Statement of Hazardous Nature (Australia)

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Chronic aquatic toxicity	Category 3*	Harmful to aquatic life with long lasting effects.

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* Classification not adopted by Australia

^ Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.

Statement of Hazardous Nature (New Zealand)

HSNO Classification (NZ): : 9.1C

Labelling - Australia **

Hazard statements

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

Precautionary statements

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

(P102) Keep out of reach of children.

(P501) Dispose of contents/ container to an approved incineration plant.

Other hazards : None identified

** The information supplied is designed for products predominately used in workplaces; whereas consumer product labels comply with the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) labelling requirements, under The Australian CoP Labelling of Workplace Hazardous Chemicals (March 2015).

Labelling- New Zealand

Refer Australian labelling above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Diisopropanolamine	110-97-4	1.00 - 5.00
Lauryl dimethyl amine oxide	1643-20-5	0.10 - 0.50
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	0.10 - 0.50
Other non-hazardous ingredients	various	Balance to 100

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4. FIRST AID MEASURES

Description of first aid measures

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed : See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from substance : Container may melt and leak in heat of fire.

Special protective equipment and precautions for fire fighters : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wash thoroughly after handling.

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Environmental precautions : Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up : Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

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Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : colourless

Odor : 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

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Vapour density : Test not applicable for this product type

Relative density : 0.998 g/cm³

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

Oxidizing properties : Test not applicable for this product type

Other information : None identified :

10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : No decomposition if stored normally.

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Possibility of hazardous reactions : If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

Conditions to avoid : Direct sources of heat.

Incompatible materials : Do not mix with bleach or any other household cleaners.
Strong bases
None known.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 5.1 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye	No classification proposed	-

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damage/eye irritation		
Skin sensitisation [^]	No classification proposed	-
Respiratory sensitisation [^]	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

* Classification not adopted by Australia

[^] Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected

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when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Diisopropanolamine	LC50	Danio rerio (zebra fish)	1,466 mg/l	96 h
Lauryl dimethyl amine oxide	semi-static test LC50 flow-through test NOEC Read-across (Analogy)	Danio rerio (zebra fish)	31.8 mg/l	96 h
		Pimephales promelas (fathead minnow)	0.42 mg/l	302 d
Alkyl dimethyl benzyl ammonium chloride	LC50 Measured NOEC	Pimephales promelas (fathead minnow)	0.28 mg/l	96 h
		Pimephales promelas (fathead minnow)	0.03 mg/l	34 d

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Diisopropanolamine	EC50	Daphnia magna Straus	277.7 mg/l	48 h
Lauryl dimethyl amine oxide	static test EC50	Daphnia magna (Water flea)	3.9 mg/l	48 h
		Daphnia magna (Water flea)	0.7 mg/l	21 d
	flow-through test NOEC Read-across (Analogy)			
Alkyl dimethyl benzyl	EC50	Daphnia magna (Water	0.016 mg/l	48 h

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ammonium chloride	NOEC	flea) Daphnia magna	0.0042 mg/l	21 d
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Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Diisopropanolamine	EC50	Desmodesmus subspicatus (green algae)	339 mg/l	72 h
Lauryl dimethyl amine oxide	static test EC50	Pseudokirchneriella subcapitata (green algae)	0.2 mg/l	72 h
Alkyl dimethyl benzyl ammonium chloride	EC50	Selenastrum capricornutum, Skeletonema costatum	0.026 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Diisopropanolamine	94 %	28 d	Readily biodegradable.
Lauryl dimethyl amine oxide	96 %	19 d	
Alkyl dimethyl benzyl ammonium chloride	95.5 %	28 d	Readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Diisopropanolamine	3.16 estimated	-0.79
Lauryl dimethyl amine oxide	> 87	< 2.7
Alkyl dimethyl benzyl ammonium chloride	79 Measured	3.91

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Mobility

Component	End point	Value
Diisopropanolamine	Koc	43 estimated
Lauryl dimethyl amine oxide	Koc	> 2113 Calculated
Alkyl dimethyl benzyl ammonium chloride	No data available	

PBT and vPvB assessment

Component	Results
Diisopropanolamine	Not fulfilling PBT and vPvB criteria
Lauryl dimethyl amine oxide	Not fulfilling PBT and vPvB criteria
Alkyl dimethyl benzyl ammonium chloride	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods : Consumer may discard empty container in trash, or recycle where facilities exist.

Disposal of any contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

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Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

[§] **Land transport:** Classification based on UN Recommendations on the Transport of Dangerous Goods. Local regulations under the Australian Dangerous Goods Code (ADG) and/or the New Zealand Land Transport Rule Dangerous Goods should be applied prior to transportation of goods.

15. REGULATORY INFORMATION

Poisons Schedule (Australia): : NOT SCHEDULED

HSNO Classification (NZ): : 9.1C

HSNO Approval Number (NZ): : HSR002530 : Cleaning Products (Subsidiary Hazard) Group Standard 2006

16. OTHER INFORMATION

Revision Date: 19.07.2017

Key abbreviations or acronyms used

ADG: The Australian Code for the Transport of Dangerous Goods by Road and Rail

NZ LTR: The New Zealand Land Transport Rule: Dangerous Goods 2005

HSNO: Hazardous Substances and New Organisms Act 1996 (New Zealand)

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons (Australia)

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Further information

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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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