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 Odourless Oven Cleaner (aerosol)

Version 1.3 Print Date 23.02.2021

Revision Date 04.01.2021 SDS Number 350000006125

GEN_SOF Number 69634

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier : Mr Muscle Odourless Oven Cleaner (aerosol)

Other means of Identification

: 350000006125

Recommended use : Oven 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
Skin corrosion	Category 1B	Causes severe skin burns and eye
		damage.
Serious eye damage	Category 1	Causes serious eye damage.
Long-term (chronic) aquatic	Category 3 *	Harmful to aquatic life with long lasting

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hazard		effects.
Aerosols	Category 1	Extremely flammable aerosol.

^{*} Classification not adopted by Australia

Statement of Hazardous Nature (New Zealand)

HSNO Classification (NZ): 2.1.2A

8.2B, 8.3A 9.1C

Labelling - Australia **

Hazard symbols



Corrosion

Signal word

Danger

Hazard statements

(H314) Causes severe skin burns and eye damage.

(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.

(P310) Immediately call a POISON CENTER/doctor.

(P304 + P340) IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

(P303 + P361 + P353) IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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

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

(P301 + P330 + P331) IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

(P405) Store locked up.

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

(P280) Wear protective gloves.

(P260) Do not breathe spray.

(P264) Wash hands thoroughly after handling. **Other hazards**: None identified

Labelling- New Zealand

Refer Australian labelling above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Butane	106-97-8	1.00 - 5.00
Ethanolamine	141-43-5	1.00 - 5.00
Diethylene glycol monobutyl ether	112-34-5	1.00 - 5.00
Sodium metasilicate	6834-92-0	1.00 - 5.00
COCONUT DIETHANOLAMIDE	8051-30-7	1.00 - 5.00
Propane	74-98-6	1.00 - 5.00
Dodecan-1-ol	112-53-8	1.00 - 5.00
Hydrated Aluminum Magnesium Silicate	12199-37-0	1.00 - 5.00
Diethanolamine	111-42-2	0.10 - 0.50
Other non-hazardous ingredients	various	Balance to 100

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

Immediately call a POISON CENTER/doctor.

Get medical attention immediately.

^{**} 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).

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Skin contact : IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/shower. Wash contaminated

clothing before reuse. Immediately call a POISON

CENTER/doctor.

Inhalation : IF INHALED: If breathing is difficult, remove victim to fresh air

and keep at rest in a position comfortable for breathing.

Ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

: Cool and use caution when approaching or handling fireexposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire

and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.
Wear personal protective equipment.
Wash thoroughly after handling.

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

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precautions

Methods and materials for containment and cleaning up

: If damage occurs to aerosol can:

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local /

national regulations (see section 13). Use only non-sparking equipment.

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.

Avoid breathing vapours, mist or gas.

Pressurized container.

Do not pierce or burn, even after use. Wash thoroughly after handling.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Do not spray on an open flame or other ignition source.

Storage

Requirements for storage areas and containers

Keep container closed when not in use.

Protect from sunlight. Do not expose to temperatures

exceeding 50 °C/ 122 °F.

Keep in a dry, cool and well-ventilated place.

Store locked up.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components	CAS-No.	mg/m3	ppm	Non- standard units	Basis
Ethanolamine	141-43-5	15 mg/m3	6 ppm	-	AU_OESSTEL
Ethanolamine	141-43-5	7.5 mg/m3	3 ppm	-	AU_OESTWAS
Ethanolamine	141-43-5	15 mg/m3	6 ppm	-	NZ_WELSTEL
Ethanolamine	141-43-5	7.5 mg/m3	3 ppm	-	NZ_WELTWA
Diethanolamine	111-42-2	13 mg/m3	3 ppm	-	AU_OESTWAS
Diethanolamine	111-42-2	13 mg/m3	3 ppm	-	NZ_WELTWA

Butane	106-97-8	1,900 mg/m3	800 ppm	-	NZ_WELTWA
Ethanolamine	141-43-5	15 mg/m3	6 ppm	-	AU_OESSTEL
Ethanolamine	141-43-5	7.5 mg/m3	3 ppm	-	AU_OESTWAS
Ethanolamine	141-43-5	15 mg/m3	6 ppm	-	NZ_WELSTEL
Ethanolamine	141-43-5	7.5 mg/m3	3 ppm	-	NZ_WELTWA
Diethanolamine	111-42-2	13 mg/m3	3 ppm	-	AU_OESTWAS
Diethanolamine	111-42-2	13 mg/m3	3 ppm	-	NZ_WELTWA

Personal protective equipment

Respiratory protection : Substantial amounts of mist/vapors can be controlled with

6/17

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local exhaust ventilation or respiratory protection.

Hand protection : Rubber gloves

Eye protection : Wear splash-resistant Chemical goggles.

Skin and body protection : Protective footwear.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : Colorless

Odor : Functional

Odour Threshold : Test not applicable for this product type

pH : Test not applicable for this product type

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 : Method: Tag Closed Cup (TCC)

does not flash

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : The product is not flammable.

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explosive limits

Upper/lower flammability or : Test not applicable for this product type

Vapour pressure : Test not applicable for this product type

Vapour density

Relative density : Test not applicable for this product type

Solubility(ies) : Test not applicable for this product type

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 : Test not applicable for this product type

Viscosity, kinematic : Test not applicable for this product type

Oxidizing properties : Test not applicable for this product type

Other information : None identified

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10. STABILITY AND REACTIVITY

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

Chemical stability : No decomposition if stored normally.

Possibility of hazardous

reactions

Possibility of hazardous

reactions

: Stable under recommended storage conditions.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : 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

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	T	
Skin corrosion	Category 1B	-
Serious eye damage	Category 1	-
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.

12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

^{*} 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.

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Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Butane	LC50 QSAR	Fish	27.98 mg/l	96 h
Ethanolamine	No data available NOEC	Oryzias latipes	1.2 mg/l	41 d
Diethylene glycol monobutyl ether	static test LC50	Lepomis macrochirus (Bluegill sunfish)	1,300 mg/l	96 h
Sodium metasilicate	LC50	Danio rerio (zebra fish)	210 mg/l	96 h
COCONUT DIETHANOLAMIDE				
Propane	LC50	Fish	27.98 mg/l	96 h
Dodecan-1-ol	flow- through test LC50	Pimephales promelas (fathead minnow)	1.01 mg/l	96 h
Hydrated Aluminum Magnesium Silicate	No data available			
Diethanolamine	static test LC50 Measured	Oncorhynchus mykiss (rainbow trout)	460 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Butane	EC50 QSAR	Daphnid	14.22 mg/l	48 h

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Ethanolamine	EC50	Daphnia magna (Water flea)	65 mg/l	48 h
	NOEC	Daphnia magna	0.85 mg/l	21 d
Diethylene glycol monobutyl ether	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
Sodium metasilicate	EC50	Daphnia magna (Water flea)	1,700 mg/l	48 h
COCONUT DIETHANOLAMIDE	No data available			
Propane	LC50	Daphnid	14.22 mg/l	48 h
Dodecan-1-ol	static test EC50	Daphnia magna (Water flea)	0.765 mg/l	48 h
	NOEC	Daphnia magna (Water flea)	0.014 mg/l	21 d
Hydrated Aluminum Magnesium Silicate	No data available			
Diethanolamine	static test EC50 Measured	Ceriodaphnia dubia	30.1 mg/l	48 h
	semi- static test NOEC Measured	Daphnia (water flea)	0.78 mg/l	21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure
				time

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Butane	EC50 QSAR	Green algae	7.71 mg/l	96 h
Ethanolamine	EC50	Desmodesmus subspicatus (green algae)	2.5 mg/l	72 h
Diethylene glycol monobutyl ether	Growth inhibition EC50	Desmodesmus subspicatus (green algae)	> 100 mg/l	96 h
Sodium metasilicate	EC50	Desmodesmus subspicatus (green algae)	207 mg/l	72 h
COCONUT DIETHANOLAMIDE				
Propane	No data available			
Dodecan-1-ol	static test ErC50	Desmodesmus subspicatus (green algae)	0.66 mg/l	72 h
Hydrated Aluminum Magnesium Silicate	No data available			
Diethanolamine	static test NOEC Measured	Pseudokirchneriella subcapitata (green algae)	0.6 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Butane	100 %	385.5 h	Readily biodegradable.
Ethanolamine	> 90 %	21 d	Readily biodegradable.
Diethylene glycol monobutyl ether	80 - 90 %	28 d	Readily biodegradable.
Sodium metasilicate	No data available		
COCONUT DIETHANOLAMIDE	No data available		
Propane	70 %	< 10 d	Readily biodegradable.
Dodecan-1-ol	79 %	28 d	Readily biodegradable.

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Hydrated Aluminum Magnesium Silicate	No data available		
Diethanolamine	94 %	30 d	

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n- Octanol/water (log)
Butane	No data available	2.89
Ethanolamine	9.2 QSAR	-0.2
Diethylene glycol monobutyl ether	1.12 estimated	1
Sodium metasilicate	No data available	No data available
COCONUT DIETHANOLAMIDE		
Propane	No data available	2.36
Dodecan-1-ol	3,801	5.4
Hydrated Aluminum Magnesium Silicate	No data available	No data available
Diethanolamine		

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Mobility

Component	End point	Value
Butane	No data available	
Ethanolamine	Koc	1.17
Diethylene glycol monobutyl ether	No data available	
Sodium metasilicate	No data available	
COCONUT DIETHANOLAMIDE	No data available	
Propane	No data available	
Dodecan-1-ol	Koc	17980
Hydrated Aluminum Magnesium Silicate	No data available	
Diethanolamine	No data available	

PBT and vPvB assessment

Component	Results
Butane	Not fulfilling PBT and vPvB criteria
Ethanolamine	Not fulfilling PBT and vPvB criteria
Diethylene glycol monobutyl ether	Not fulfilling PBT and vPvB criteria
Sodium metasilicate	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
Dodecan-1-ol	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal : Consumer may discard empty container in trash, or recycle

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methods 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 §	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	AEROSOLS, Flammable, Corrosive	AEROSOLS, Flammable, Corrosive	AEROSOLS, Flammable, Corrosive
Transport hazard class(es)	2.1	2	2.1
Packing group	-	-	-
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

[§] **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

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Poisons Schedule

(Australia):

: S5

HSNO Classification (NZ): 2.1.2A

8.2B, 8.3A 9.1C

HSNO Approval Number

(NZ):

Aerosols (Flammable, Corrosive) Group Standard 2017 -

HSR002516

16. OTHER INFORMATION

Revision Date: 04.01.2021

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)

Further information

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