

SAFETY DATA SHEET

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

Mr. Muscle® Advanced Power Bathroom - Mandarin

Version 1.0

Revision Date 08.03.2019

Print Date 03.09.2020

Specification Number: 350000033329

SITE FORM Number:

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

1.1 Product identifier : Mr. Muscle® Advanced Power Bathroom - Mandarin

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 :

Telephone :

E-mail address :

1.4 Emergency telephone number : Consumer Care Center:
UK - 0800 353 353
Poison Centre:
Ireland - (01)809 2166

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

This product does not meet the criteria for classification in any hazard class according to regulation (EC) 1272/2008.

2.2 Label elements

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

Precautionary statements

(P102) Keep out of reach of children.

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(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.

(P260) Do not breathe spray.

Additional Labelling

Use only in well-ventilated areas.

Detergents regulations: **Contains**

< = 5% amphoteric surfactants, non-ionic surfactants, 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) aquatic hazard Category 2	>= 0.10 - < 0.50

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			H411 Serious eye damage/eye irritation Category 1 H318 Skin corrosion/irritation Category 2 H315 Acute toxicity Category 4 H302 M-Factor Acute - 1	
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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	:	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.

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4.2 Most important symptoms and effects, both acute and delayed

Eyes	:	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

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.

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.

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Prevent large amounts of product from entering drains.
Prevent further leakage or spillage if safe to do so.
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.

7.3 Specific end use(s) : Consumer uses: Private households (= general public = consumers)
Washing and cleaning products (including solvent based products)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limit Values

Contains no substances with occupational exposure limit values.

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.

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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.

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

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Relative density	: 0.998 g/cm ³
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	:
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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.
10.6 Hazardous decomposition products	: No decomposition if stored and applied as directed.

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SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute oral toxicity**

Name	Method	Species	Dose
Product	LD50 Calculated		> 5,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Product	LC50 (dust and mist) Calculated		> 5 mg/l	

Acute dermal toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 5,000 mg/kg

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

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
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SAFETY DATA SHEET

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SITE FORM Number:

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1,1'-iminodipropan-2-ol	No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	No data available			

Acute dermal toxicity

Name	Method	Species	Dose
1,1'-iminodipropan-2-ol	LD50	Rabbit	8,000 mg/kg
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	LD50	Rat	> 2,000 mg/kg

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

Serious eye damage/eye irritation : Based on available data, the classification criteria are not met.

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.

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'-iminodipropyl-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

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
1,1'-iminodipropyl-2-ol	EC50	Daphnia magna Straus	277.7 mg/l	48 h
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	EC50		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

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
1,1'-iminodipropyl-2-ol	EC50	Desmodesmus subspicatus (green algae)	339 mg/l	72 h

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Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	ErC50	Algae	0.075 mg/l	72 h
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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.

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

12.4 Mobility in soil

Component	End point	Value
1,1'-iminodipropan-2-ol	Koc	43 estimated
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Koc	> 2113 Calculated

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

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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.

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.

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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

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.

H319	Causes serious eye irritation.
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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.