

SAFETY DATA SHEET

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

Mr Muscle® Aerosol Oven Cleaner

Version 3.0
Revision Date 17.07.2020

Print Date 10.11.2020
Specification Number: 350000008112
SITE FORM Number:
30000000000000007098.004

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

1.1 Product identifier : Mr Muscle® Aerosol Oven Cleaner

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 :

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
Aerosol	Category 3	Pressurised container: May burst if heated.
Skin corrosion	Category 1C	Causes severe skin burns and eye damage.
Serious eye damage	Category 1	Causes serious eye damage.

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2.2 Label elements

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

Hazard symbols



Signal word

Danger

Contains

caustic soda

Hazard statements

(H229) Pressurised container: May burst if heated.

(H314) Causes severe skin burns and eye damage.

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.

(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.

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

(P304 + P340) IF INHALED: Remove person to fresh air and keep comfortable for breathing.

(P405) Store locked up.

(P410 + P412) Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

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

(P264) Wash hands thoroughly after handling.

(P210) Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

(P251) Do not pierce or burn, even after use.

(P260) Do not breathe spray.

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(P280) Wear protective gloves / eye protection.

Additional Labelling

Use only in well-ventilated areas.
Use only as directed.
4% By mass of contents are flammable.

Detergents regulations : **Contains**
< = 5% aliphatic hydrocarbons, Polycarboxylates, Anionic surfactants,
perfume , Limonene

2.3 Other hazards : Intentional misuse by deliberately concentrating and inhaling contents can
be harmful or fatal.
Excessive exposure to spray mist, fog or vapour may cause respiratory
irritation.

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
caustic soda	1310-73-2 215-185-5	01-2119982981-22	Skin corrosion Category 1A H314 Serious eye damage Category 1 H318	>= 1.00 - < 5.00

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WEL substance				
butane	106-97-8 203-448-7	01-2119474691-32	Flammable gases Category 1 H220 Gases under pressure H280	>= 0.00 - < 0.10

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 : Move to fresh air.
If breathing is affected, get medical attention.

- Skin contact : Take off all contaminated clothing immediately.
Immediately flush skin with large amounts of water.
Get medical attention if irritation develops and persists.
Wash contaminated clothing before re-use.

- Eye contact : Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
Flush immediately with plenty of water for at least 15 to 20 minutes.

- Ingestion : Do NOT induce vomiting.
Rinse mouth with water.
Get medical attention immediately.
Never give anything by mouth to an unconscious person.

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4.2 Most important symptoms and effects, both acute and delayed

- Eyes : Causes serious eye damage.
No adverse effects expected when used as directed.
- Skin effect : Causes severe skin burns.
No adverse effects expected when used as directed.
- Inhalation : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
May cause respiratory tract irritation.
No adverse effects expected when used as directed.
- Ingestion : Causes digestive tract burns.

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 : Heating may cause an explosion.
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.

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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.
Remove all sources of ignition.

- 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.
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** : If damage occurs to aerosol can:
Clean residue from spill site.
Dike large spills.
Use only non-sparking equipment.

- 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.
Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
Wear personal protective equipment.
Do not use in areas without adequate ventilation.
Do not puncture.
Do not spray on a naked flame or any incandescent material.

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- 7.2 Conditions for safe storage, including any incompatibilities** : Do not freeze.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Keep out of the reach of children.
Store away from food, beverages and pet food.
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**

Components	CAS-No.	mg/m ³	ppm	Form of exposure	List
caustic soda	1310-73-2	2 mg/m ³			UK_WELSTEL
butane	106-97-8	1,810 mg/m ³	750 ppm		UK_WELSTEL
		1,450 mg/m ³	600 ppm		UK_WELTAS

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
- Hand protection : Wear suitable gloves.
Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Before removing gloves clean them with soap and water.
- Eye/face protection : Safety glasses

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- Skin and body protection : Wash contaminated clothing before re-use.
- 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 : aerosol
- Colour : white
- Odour : Functional
- Odour Threshold : Test not applicable for this product type
- pH : 14
- 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 : < 0 °C
- Evaporation rate : Test not applicable for this product type
- Flammability (solid, gas) : Sustains combustion
- 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 : 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 : does not ignite
- 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
- 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** : Do not mix with acids or any other household products. May release dangerous gases (chlorine).

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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 Calculated		> 2,000 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		> 2,000 mg/kg

Acute oral toxicity

Name	Method	Species	Dose
caustic soda	LD50 Measured	Rat	325 mg/kg

Acute inhalation toxicity

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Name	Method	Species	Dose	Exposure time
caustic soda	No data available			

Acute dermal toxicity

Name	Method	Species	Dose
caustic soda	LD50	Rabbit	1,350 mg/kg

Skin corrosion/irritation : Causes severe skin burns. Corrositex

Serious eye damage/eye irritation : Causes serious eye damage.

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.**12.1 Toxicity****Toxicity to fish**

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Components	End point	Species	Value	Exposure time
caustic soda	LC50	Fish	35 - 189 mg/l	96 h
butane	LC50 QSAR	Fish	27.98 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
caustic soda	EC50	Daphnia magna (Water flea)	40.4 mg/l	48 h
butane	EC50 QSAR	Daphnid	14.22 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
caustic soda	No data available			
butane	EC50 QSAR	Green algae	7.71 mg/l	96 h

12.2 Persistence and degradability

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Component	Biodegradation	Exposure time	Summary
caustic soda	No data available		
butane	100 %	385.5 h	Readily biodegradable.

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
caustic soda	0.89 estimated	-1.38
butane	No data available	2.89

12.4 Mobility in soil

Component	End point	Value
caustic soda	No data available	
butane	No data available	

12.5 Results of PBT and vPvB assessment

Component	Results
caustic soda	Not fulfilling PBT and vPvB criteria
butane	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.

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SITE FORM Number:
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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	Sea transport	Air transport
14.1 UN number	1950	1950	1950
14.2 UN proper shipping name	AEROSOLS, Corrosive, 2.2 (8)	AEROSOLS, Corrosive, 2.2 (8)	AEROSOLS, Corrosive, 2.2 (8)
14.3 Transport hazard class(es)	2	2	2.2
14.4 Packing group			
14.5 Environmental hazards			
14.6 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.
14.7 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.

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.

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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
- 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

H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

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