



## Mr. Muscle Oven and Grill Cleaner

Version Number: 2

Preparation date: 2015-01-13

### 1. IDENTIFICATION

**Product name:** Mr. Muscle Oven and Grill Cleaner  
**Product Code:** 991206  
**SDS #:** MS0800125  
**Recommended use:**

- Industrial/Institutional
- Oven and Grill Cleaner

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

Consumer Branded Professional Products Diversey, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-1964 Phone: (888) 352-2249	Canadian Headquarters Diversey, Inc. - Canada 3755 Laird Road Mississauga, Ontario L5L 0B3 Phone: 1-800-668-3131
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**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Flammability	Extremely flammable aerosol, Category 1
Metal Corrosion:	Category 1

**Signal Word:****Danger**

#### Precautionary Statements

**EXTREMELY FLAMMABLE AEROSOL. CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY BE CORROSIVE TO METALS.**

Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Keep container tightly closed. Keep only in original container. Do not pierce or burn, even after use. Do not incinerate. Do not breathe spray. Wash affected areas thoroughly after handling. Wear chemical-splash goggles, long chemical-resistant gloves and protective footwear when spraying and wiping. Do not spray towards face. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Store in corrosive-resistant container with a resistant inner liner. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C (122 °F) which may cause bursting. Dispose of in accordance with all federal, state and local applicable regulations.

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**Health hazards not otherwise classified (HHNOC)** - Not applicable  
**Physical hazards not otherwise classified (PHNOC)** - Not applicable

**Classification for the diluted product @ RTU**

This product is intended to be used neat.

**Precautionary Statements**

None required.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Classified Ingredients**

Ingredient(s)	CAS #	Weight %
Diethylene glycol butyl ether	112-34-5	10 - 20%
Sodium hydroxide	1310-73-2	3% - < 5%
Butane	106-97-8	1% - < 3%
Isobutane	75-28-5	1% - < 3%
Monoethanolamine	141-43-5	1% - < 3%

\*Exact percentages are being withheld as trade secret information

**4. FIRST AID MEASURES**

**Undiluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

**Diluted Product:**

This product is intended to be used neat.

**Eyes:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Skin:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** Rinse mouth with water.

**5. FIRE-FIGHTING MEASURES**

**Specific methods:** Use water spray to keep fire-exposed containers cool. Aerosol Product - Containers may rocket or explode in heat of fire.

**Suitable extinguishing media:** Dry chemical, water spray, foam.

**Specific hazards:** NFPA 30B Level 1 Aerosol. Aerosol product - Containers may rocket or explode in heat of fire.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Remove all sources of ignition. Put on appropriate personal protective equipment (see Section 8.).  
**Environmental precautions and clean-up methods:** Prevent product from entering drains. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. ALWAYS WEAR LONG CHEMICAL-RESISTANT GLOVES, CHEMICAL-SPLASH GOGGLES AND PROTECTIVE FOOTWEAR WHEN SPRAYING AND WIPING. Do not spray toward face. Wash hands and arms after use. Do not spray on or let spray contact pilot light, electrical connections, switches, light bulbs, heating elements, receptacles, or thermostats. Spray may cause electric short. Do not let product contact floor coverings, linoleum, aluminum, copper, chrome, painted surfaces or plastics. Do not use on continuous or self-cleaning ovens. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:**

Protect from freezing. Keep out of the reach of children. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 degrees C or 120 degrees F. Exposure to heat may cause bursting. Do not pierce or burn, even after use. Store in a cool, dry, well ventilated area away from heat or open flame.

**Aerosol Level (if applicable) :** Level 1

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

Ingredient(s)	CAS #	ACGIH	OSHA
Diethylene glycol butyl ether	112-34-5	10 ppm (TWA)	-
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup> (Ceiling)	2 mg/m <sup>3</sup> (TWA)
Isobutane	75-28-5	1000 ppm (STEL)	-
Butane	106-97-8	1000 ppm (STEL)	-
Monoethanolamine	141-43-5	6 ppm (STEL) 3 ppm (TWA)	3 ppm (TWA) 6 mg/m <sup>3</sup> (TWA)

**Undiluted Product:**

**Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels Respiratory protection is not required if good ventilation is maintained.

**Personal Protective Equipment**

**Eye protection:**

Chemical-splash goggles.

**Hand protection:**

Long chemical-resistant gloves.

**Skin and body protection:**

Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

**Respiratory protection:**

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

This product is intended to be used neat.

**Personal Protective Equipment**

**Eye protection:**

Chemical-splash goggles.

**Hand protection:**

Long chemical-resistant gloves.

**Skin and body protection:**

Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

**Respiratory protection:**

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Physical State:** Aerosol

**Evaporation Rate:** No information available

**Odor threshold:** No information available.

**Melting point/range:** Not determined

**Autoignition temperature:** No information available

**Solubility in other solvents:** No information available

**Density:** 8.75 lbs/gal 1.049 Kg/L

**Bulk density:** No information available

**Flash point:** 19 °F -7 °C

**Dilution Flash Point:** 19 °F -7 °C

**Elemental Phosphorus:** 0 % by wt.

**pH:** 13

**Dilution pH:** 13 @ RTU

**Metal Corrosion:** Not determined

**Color:** Tan

**Odor:** Citrus

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.049

**Vapor density:** No information available

**Vapor pressure:** No information available.

**Partition coefficient (n-octanol/water):** No information available

**Viscosity:** No information available

**VOC:** 7.9 % \*

**VOC % by wt. at use dilution** 7.9 % \*

**Flammability (Solid or Gas):** Not applicable

**Explosion limits:** - upper: Not determined - lower: Not determined

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not Applicable  
**Stability:** The product is stable  
**Hazardous decomposition products:** None reasonably foreseeable.  
**Materials to avoid:** Strong oxidising agents. Strong acids.  
**Conditions to avoid:** Keep away from open flames, hot surfaces and sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

Skin contact, Inhalation, Eye contact, Ingestion

### Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

**Skin contact:** Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

**Ingestion:** Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

### Numerical measures of toxicity

**ATE - Oral (mg/kg):** >5000 mg/kg

**ATE - Dermal (mg/kg):** >5000 mg/kg

**ATE - Inhalatory, mists (mg/l):** >20 mg/L

**ATE - Inhalatory, vapors (mg/l):** >50 mg/L

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** D001 Ignitable Waste, D002 Corrosive Waste

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the Diversey HazMat Library, only available through Internet Explorer, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

**DOT (Ground) Bill of Lading Description:** LTD. QTY.

**IMDG (Ocean) Bill of Lading Description:** UN1950, AEROSOLS, 2.1, LTD. QTY.

## 15. REGULATORY INFORMATION

**International Inventories at CAS# Level**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

**U.S. Regulations**

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

**RIGHT TO KNOW (RTK)**

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Diethylene glycol butyl ether	112-34-5	-	X	-	-
Sodium hydroxide	1310-73-2	X	X	X	X
Butane	106-97-8	X	X	X	-
Isobutane	75-28-5	X	X	X	-
Monoethanolamine	141-43-5	X	X	X	-

**CERCLA/ SARA**

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Diethylene glycol butyl ether	112-34-5	10 - 20%			X
Sodium hydroxide	1310-73-2	3% - < 5%	1000		

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
Diethylene glycol butyl ether	X		

**SARA 311/312 Hazard Categories**

**Immediate:** X  
**Delayed:** -  
**Fire:** X  
**Reactivity:** -  
**Sudden Release of Pressure:** X

Ingredient(s)	CAS #	NPRI
Diethylene glycol butyl ether	112-34-5	X

**16. OTHER INFORMATION****NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

**Health** 3  
**Flammability** 4  
**Instability** 0

**Version Number:** 2  
**Preparation date:** 2015-01-13

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:**

- NFPA 30B Level 1 Aerosol
- Contains an added fragrance, see "Odor" heading in section 9 for specific description

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