



**MR. MUSCLE Oven and Grill Cleaner (Aerosol)**

HMIS		NFPA	Personal protective equipment		
Health	3	3			
Flammability	4	4			
Physical Hazard / Instability	0	0			

Version Number: 3

Preparation date: 2012-09-11

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** MR. MUSCLE Oven and Grill Cleaner (Aerosol)

**MSDS #:** MS0500281  
**Product Code:** 91206, MS0500281  
**Recommended use:**

- Industrial/Institutional
- Oven and Grill Cleaner

**Manufacturer, importer, supplier:** Canadian Headquarters  
 Consumer Branded Professional Products  
 Diversey, Inc.  
 8310 16th Street  
 Sturtevant, Wisconsin 53177-1964  
 Phone: (888) 352-2249

Diversey, Inc. - Canada  
 2401 Bristol Circle  
 Oakville, Ontario L6H 6P1  
 Phone: 1-800-668-3131

**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

DANGER. CAUSES EYE AND SKIN BURNS ON CONTACT . HARMFUL OR FATAL IF SWALLOWED. CONTENTS UNDER PRESSURE.

**Principal routes of exposure:** Skin contact. Inhalation. Eye contact.  
**Eye contact:** Corrosive. Causes permanent eye damage, including blindness.  
**Skin contact:** Corrosive. May cause permanent damage.  
**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract.  
**Ingestion:** Corrosive. Causes burns to mouth, throat and stomach.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Butane	106-97-8	1 - 5%	2000	Not available	658 mg/L (4 h)
Diethylene glycol butyl ether	112-34-5	10 - 20%	4500	2700 mg/kg	Not available
Sodium hydroxide	1310-73-2	1 - 5%	500	=1350 mg/kg	Not available
Monoethanolamine	141-43-5	1 - 5%	1720	1 mL/kg 1025 mg/kg	Not available
Isobutane	75-28-5	1 - 5%	Not available	Not available	658 mg/L (4 h)

**4. FIRST AID MEASURES**

**Eye contact:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

**Skin contact:** Remove and wash contaminated clothing and footwear before re-use. Get medical attention immediately. Immediately wash off with plenty of water for at least 15 minutes.

**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention immediately.

**Ingestion:** Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately. Rinse mouth, then immediately drink one cupful of water or milk .

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

## 5. FIRE-FIGHTING MEASURES

**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.  
**Unusual hazards:** Corrosive material (See sections 8 and 10).  
**Specific methods:** Use water spray to keep fire-exposed containers cool. 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:** Sweep up and shovel into suitable containers for disposal. Prevent product from entering drains. Soak up with inert absorbent material. 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. Do not pierce or burn, even after use. Store in a cool, dry, well ventilated area away from heat or open flame.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**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:** Chemical-resistant gloves neoprene gloves rubber gloves Includes  
**Skin and body protection:** If major exposure is possible, wear suitable protective clothing and footwear. Boots, Chemical resistant  
**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

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Butane	106-97-8	1000 ppm (TWA)		800 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA)
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup> (Ceiling)	2 mg/m <sup>3</sup> (TWA)	2 mg/m <sup>3</sup> (Ceiling)
Monoethanolamine	141-43-5	6 ppm (STEL) 3 ppm (TWA)	3 ppm (TWA) 6 mg/m <sup>3</sup> (TWA)	6 ppm (STEL) 15 mg/m <sup>3</sup> (STEL) 3 ppm (TWA) 8 mg/m <sup>3</sup> (TWA)
Isobutane	75-28-5	1000 ppm (TWA)		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Aerosol  
**Appearance:** Aerosol  
**Specific gravity:** 1.049  
**Vapor density:** No information available  
**Boiling point/range:** Not determined  
**Decomposition temperature:** Not determined

**Bulk density:** No information available  
**Evaporation Rate** No information available  
**Color:** Tan  
**Odor:** Citrus  
**Melting point/range:** Not determined  
**Autoignition temperature:** No information available

**Solubility:** Completely Soluble  
**Solubility in other solvents:** No information available  
**Partition coefficient (n-octanol/water):** No information available  
**Elemental Phosphorus:** 0 % by wt.  
**pH:** 13  
**Explosion limits:** - upper: Not determined - lower: Not determined

**Density:** 8.49 lbs/gal 1.049 Kg/L  
**Flash point:** < 20 °F < -7 °C  
**Viscosity:** No information available  
**VOC:** 7.9 % \*  
**Dilution pH:** No information available.

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

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable  
**Polymerization:** Hazardous polymerization does not occur  
**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

**Acute toxicity:** Corrosive; Oral LD50 estimated to be between 2000 - 3000 mg/kg  
**Component Information:** See Section 3  
**Chronic toxicity:** None known  
**Specific effects**  
**Carcinogenic effects:** None known  
**Mutagenic effects:** None known  
**Reproductive toxicity:** None known  
**Target organ effects:** None known

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** No data available

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**  
Dispose of according to all federal, state and local applicable regulations.

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the Diversey HazMat Library, <http://naextranet.diverseyc.com/dot/>, for up to date shipping information.

**DOT Bill of Lading Description:** LTD. QTY.

**IMDG Bill of Lading Description:** UN1950, AEROSOLS, 2.2, 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:
Butane	106-97-8	X	X	X	-
Diethylene glycol butyl ether	112-34-5	-	-	-	-
Sodium hydroxide	1310-73-2	X	X	X	X
Monoethanolamine	141-43-5	X	X	X	-

Isobutane	75-28-5	X	X	X	-
Water	7732-18-5	-	-	-	-

**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	1 - 5%	1000		

**SARA 311/312 Hazard Categories**

<b>Immediate:</b>	X
<b>Delayed:</b>	-
<b>Fire:</b>	X
<b>Reactivity:</b>	-
<b>Sudden Release of Pressure:</b>	X

**Canada**

**WHMIS hazard class:** A Compressed gases, E Corrosive material .



**16. OTHER INFORMATION**

<b>Reason for revision:</b>	Not applicable
<b>Prepared by:</b>	NAPRAC
<b>Additional advice:</b>	<ul style="list-style-type: none"> <li>• NFPA 30B Level 1 Aerosol</li> <li>• Contains a citrus fragrance.</li> <li>• This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations</li> </ul>

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