

MATERIAL SAFETY DATA SHEET

# 490334



MR. MUSCLE Oven and Grill Cleaner (Aerosol)

HMIS		NFPA	Personal protective equipment	
Health	3	3		
Fire Hazard	4	4		
Reactivity	0	0		

Version Number: 2

Preparation date: 2007-05-17

1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** MR MUSCLE Oven and Grill Cleaner (Aerosol)  
**MSDS #:** 126040-005  
**Product code:** 91206, 3694087  
**Recommended use:** Industrial/Institutional Oven and Grill Cleaner

**Manufacturer, Importer, supplier:**  
 Consumer Branded Professional Products  
 JohnsonDiversey, Inc.  
 8310 16th Street  
 Sturtevant, Wisconsin 53177-0902  
 Phone: (888) 352-2249

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

**Emergency telephone number:** 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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

**Principle routes of exposure:** Eye contact. Skin contact. Inhalation  
**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

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Diethylene glycol butyl ether	112-34-5	10 - 20%	=3384 mg/kg	=2700 mg/kg	Not available
Sodium hydroxide	1310-73-2	1 - 5%	=140 mg/kg	=1350 mg/kg	Not available
Monoethanolamine	141-43-5	1 - 5%	=1720 mg/kg	=1 mL/kg	Not available
Butane	106-97-8	1 - 5%	Not available	Not available	=658 g/m <sup>3</sup> (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:** Immediately wash off with plenty of water for at least 15 minutes. Get medical attention immediately. Remove and wash contaminated clothing and footwear before re-use.  
**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention immediately  
**Ingestion:** Do not induce vomiting. Rinse mouth. then immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately  
**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:** 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

## 5. FIRE-FIGHTING MEASURES

**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:** Put on appropriate personal protective equipment (see Section 8 ). Remove all sources of ignition.  
**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. 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. Avoid breathing vapors or mists. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:**  
 Protect from freezing. Store in a cool, dry, well ventilated area away from heat or open flame. 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. Keep out of the reach of children

## 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. Includes rubber gloves neoprene gloves  
**Skin and body protection:** Boots, Chemical resistant. 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

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
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)
Butane	106-97-8	1000 ppm (TWA)		800 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b> Aerosol	<b>Bulk density:</b> No information available
<b>pH:</b> 13.0	<b>Dilution pH:</b> No information available
<b>Appearance:</b> Liquid Aerosol	<b>Vapor density:</b> No information available
<b>Color:</b> Tan	<b>Evaporation Rate:</b> No information available
<b>Odor:</b> Citrus	<b>Boiling point/range:</b> Not determined
<b>Specific gravity:</b> 1.049	<b>Melting point/range:</b> Not determined
<b>Density:</b> 8.49 lbs/gal	<b>Decomposition temperature:</b> Not determined
<b>VOC:</b> 7.9% *	<b>Autoflammability temperature:</b> No information available
<b>Flash point:</b> <19.4°F <-7°C	<b>Partition coefficient (n-octanol/water):</b> No information available
<b>Solubility:</b> Soluble	<b>Solubility in other solvents:</b> No information available
<b>Viscosity:</b> No information available	<b>Elemental Phosphorus:</b> 0 %P

\* - 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 acids. Strong oxidising agents.  
**Conditions to avoid:** Keep away from open flames, hot surfaces and sources of ignition.

MR. MUSCLE Oven and Grill Cleaner (Aerosol)

2 of 4

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral LD50 estimated to be between 2000 - 3000 mg/kg Corrosive  
 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  
 RCRA Hazard Class: D002

### 14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

### 15. REGULATORY INFORMATION

**International Inventories**

**U.S. Regulations**

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

**STATE RIGHT TO KNOW**

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

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

**Canada**

WHMIS hazard class: E Corrosive material , A Compressed gases



Ingredient(s)	CAS #	NPRI
Diethylene glycol butyl ether	112-34-5	X
Monoethanolamine	141-43-5	X
Butane	106-97-8	X
Isobutane	75-28-5	X

## 16. OTHER INFORMATION

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** NFPA 30B Level 1 Aerosol

*Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations*