



# MR. MUSCLE OVEN AND GRILL CLEANER - AEROSOL

National Fire Protection Association (NFPA)	Fire Hazard		Hazardous Material Information System (HMIS)	Health	3
	Health			3	Fire Hazard
				Reactivity	0
Protective Clothing		Emergency Overview	Tan. Aerosol. See Section 9. DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. CONTENTS UNDER PRESSURE.		

## Section 1. Chemical Product and Company Identification

Product Name	<b>MR. MUSCLE OVEN AND GRILL CLEANER - AEROSOL</b>	Code	91206
Product Use	Industrial/Institutional: Cleaning product.	PMS#	433200
MSDS#	126040003	Validation Date	04/19/2000
U.S. Headquarters Drackett Professional A Division of S.C. Johnson Commercial Markets, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249		Print Date	04/20/2000
		Supersedes	04/13/2000.
		In Case of Emergency	(800) 851-7145

## Section 2. Composition and Information on Ingredients

Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
Monoethanolamine	141-43-5	1-5	TWA: 8 STEL: 15 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States] TWA: 7.5 STEL: 15 (mg/m <sup>3</sup> ) from ACGIH (TLV) [United States]	ORAL (LD50): Acute: 1720 mg/kg [Rat]. DERMAL (LD50): Acute: 1018 mg/kg [Rabbit].
Butane	106-97-8	1-5	TWA: 1900 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States] TWA: 1900 (mg/m <sup>3</sup> ) from ACGIH (TLV) [United States]	Not available.
Isobutane	75-28-5	1-5	Not available.	VAPOR (LC50): Acute: 0.0057 ppm 0.25 hours [Rat].
Sodium Hydroxide	1310-73-2	1-5	CEIL: 2 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States] STEL: 2 (mg/m <sup>3</sup> ) from ACGIH (TLV) [United States]	Not available.
Hydrated Magnesium Aluminum Silicate	12199-37-0	1-5	Not available.	Not available.
Diethylene Glycol Butyl Ether	112-34-5	10-30	Not available.	ORAL (LD50): Acute: 5660 mg/kg [Rat]. DERMAL (LD50): Acute: 2700 mg/kg [Rabbit].
Water	7732-18-5	60-100	Not available.	Not applicable.

## Section 3. Hazards Identification

Routes of Entry	Inhalation. Skin contact. Eye contact.
Potential Acute Health Effects	
<i>Eyes</i>	Corrosive. May cause permanent damage including blindness.
<i>Skin</i>	Corrosive. May cause permanent damage.
<i>Inhalation</i>	May cause irritation and corrosive effects to nose, throat and respiratory tract.
<i>Ingestion</i>	Corrosive. May cause burns to mouth, throat, and stomach.

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

**Aggravated by Overexposure:** See Toxicological Information (section 11)

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
<b>Skin Contact</b>	Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Inhalation</b>	If breathing is difficult: Remove to fresh air. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting! Immediately drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flammability of the Product</b>	NFPA 30B Level 1 Aerosol.
<b>Flash Points</b>	CLOSED CUP: <-7°C (19.4°F).
<b>Products of Combustion</b>	None known.
<b>Fire Fighting Media and Instructions</b>	Use water spray to keep fire-exposed containers cool. Dry chemical, carbon dioxide. Fight fire from protected location or maximum possible distance. In case of fire and/or explosion do not breathe fumes.
<b>Protective Clothing (Fire)</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Special Remarks on Fire and Explosion Hazards</b>	Aerosol product - Containers may rocket or explode in heat of fire. Corrosive material (See sections 8 and 10).

**Section 6. Accidental Release Measures**

<b>Personal Precautions</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Environmental Precautions and Clean-up Methods</b>	Eliminate all ignition sources. In the event of major spillage: Use appropriate containment to avoid environmental contamination. Take up with sand or other non-combustible material. Place in suitable clean, dry containers for disposal by approved methods.

**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Use only in well-ventilated areas. Do not puncture or incinerate. FOR INDUSTRIAL USE ONLY.
<b>Storage</b>	Store in a dry, cool and well-ventilated area. Protect from freezing. Keep container tightly closed. Keep away from heat, sparks and flame. Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. KEEP OUT OF REACH OF CHILDREN.

**Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.
<b>Personal Protection</b>	
<i>Eyes</i>	Chemical splash goggles.
<i>Hands</i>	Chemical resistant gloves. Includes: Neoprene gloves. Rubber gloves.
<i>Respiratory</i>	If mists/vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over exposure. 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.
<i>Feet</i>	No special protective clothing is required.
<i>Body</i>	If major exposure is possible, wear suitable protective clothing and footwear.

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**Section 9. Physical and Chemical Properties**

Physical State and Appearance	Liquid. (Aerosol.)
Odor	Citrus.
Color	Tan.
pH	13 [Basic.]
Specific Gravity	1
Boiling/Condensation Point	100°C (212°F)
Melting/Freezing Point	0°C (32°F)
Viscosity	300 cP (Dynamic).
Solubility in water	Complete.

**Section 10. Stability and Reactivity**

Stability and Reactivity	The product is stable.
Conditions of Instability	Excessive heat.
Incompatibility with Various Substances	Reactive with acids.
Hazardous Decomposition Products	When exposed to fire: Produces normal products of combustion. Toxic decomposition products include: Oxides of sodium.
Hazardous Polymerization	Will not occur.

**Section 11. Toxicological Information**

Acute toxicity	Corrosive.
Effects of Chronic Exposure	None known.
Other Toxic Effects	Contains approximately 0.1% Cristobalite (CAS# 14464-46-1), NJ, PA, MA, NTP. This formulation is a heavy, viscous liquid. Therefore, respirable-size particles of dry Cristobalite are not expected to become airborne and will not be inhaled.

**Section 12. Ecological Information**

Not available.

**Section 13. Disposal Considerations**

Waste Information	Undiluted product is regulated under environmental and transportation laws as a corrosive waste. If possible, recycle empty aerosol cans to the nearest steel recycling center. Use up package or give to someone who can. Dispose of according to all federal, state and local regulations.
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**Section 14. Transport Information**

<b>DOT Classification</b>	
DOT Proper Shipping Name	Consumer Commodity
DOT Class	ORM-D
<b>TDG Classification</b>	
TDG Proper Shipping Name	Consumer Commodity
TDG Class	ORM-D

**MR. MUSCLE OVEN AND GRILL CLEANER - AEROSOL****Section 15. Regulatory Information****Reporting in this section is based on ingredients disclosed in Section 2****US Regulations**

**Federal** Clean Water Act (CWA) 311: Sodium Hydroxide  
 Clean air act (CAA) 112 accidental release prevention: Butane  
 Clean air act (CAA) 112 regulated flammable substances: Butane, Isobutane  
 CERCLA: Hazardous substances.: Diethylene Glycol Butyl Ether, Isobutane, Sodium Hydroxide

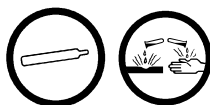
**State** New Jersey spill list: Diethylene Glycol Butyl Ether, Sodium Hydroxide  
 New Jersey: Monoethanolamine, Diethylene Glycol Butyl Ether, Butane, Isobutane, Sodium Hydroxide  
 Massachusetts spill list: Monoethanolamine, Butane, Isobutane, Sodium Hydroxide  
 Massachusetts RTK: Monoethanolamine, Butane, Isobutane, Sodium Hydroxide  
 Pennsylvania RTK: Monoethanolamine, Diethylene Glycol Butyl Ether, Butane, Isobutane, Sodium Hydroxide

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

**Registered Product Information** Not applicable.

**Canadian Regulations**

**WHMIS Classification** CLASS A: Compressed gas.  
 CLASS E: Corrosive liquid.

**WHMIS Icon**

**Registered Product Information** Not applicable.

**Chemical Inventory Status** All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**Section 16. Other Information**

**Other Special Considerations** MSDS Serial Range: 001-003

**Version** 1

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