

MR. MUSCLE OVEN AND GRILL CLEANER - AEROSOL

National Fire Protection Association (NFPA)	Fire Hazard Health 3 Reactivity 0	Hazardous Material Information System (HMIS)	<table><tr><td>Health</td><td>3</td></tr><tr><td>Fire Hazard</td><td>4</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health	3	Fire Hazard	4	Reactivity	0
Health	3								
Fire Hazard	4								
Reactivity	0								
Specific Hazard									
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 MR. MUSCLE OVEN AND GRILL CLEANER - AEROSOL	Code 91206
Product Use Industrial/Institutional: Cleaning product.	PMS# 433200
MSDS# 126040003	Validation Date 2/3/2005
U.S. Headquarters Consumer Branded Professional Products Division, Johnson Diversey, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249	Print Date 2/3/2005
	Supersedes No Previous Validation
	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	OSHA (United States). TWA: 8 mg/m ³ STEL: 15 mg/m ³ ACGIH (United States). TWA: 7.5 mg/m ³ STEL: 15 mg/m ³	ORAL (LD50): Acute: 1720 mg/kg [Rat]. DERMAL (LD50): Acute: 1018 mg/kg [Rabbit].
Butane	106-97-8	1-5	OSHA (United States). TWA: 1900 mg/m ³ ACGIH (United States). TWA: 1900 mg/m ³	Not available.
Isobutane	75-28-5	1-5	Not available.	VAPOR (LC50): Acute: 0.0057 ppm 0.25 hour(s) [Rat].
Sodium Hydroxide	1310-73-2	1-5	OSHA (United States). CEIL: 2 mg/m ³ ACGIH (United States). STEL: 2 mg/m ³	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 available.

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Section 3. Hazards Identification

Routes of Entry Inhalation. Skin contact. Eye contact.

Potential Acute Health Effects

Eyes Corrosive. May cause permanent damage including blindness.

Skin Corrosive. May cause permanent damage.

Inhalation May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion Corrosive. May cause burns to mouth, throat, and stomach.

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

See Toxicological Information (section 11)

Section 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 Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhalation If breathing is difficult: Remove to fresh air. Get medical attention immediately.

Ingestion 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

Flammability of the Product NFPA 30B Level 1 Aerosol.

Flash Points CLOSED CUP: <-7°C (19.4°F).

Products of Combustion None known.

Fire Fighting Media and Instructions 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.

Protective Clothing (Fire) Put on appropriate personal protective equipment (see Section 8).

Special Remarks on Fire and Explosion Hazards Aerosol product - Containers may rocket or explode in heat of fire. Corrosive material (See sections 8 and 10).

Section 6. Accidental Release Measures

Personal Precautions Put on appropriate personal protective equipment (see Section 8).

Environmental Precautions and Clean-up Methods 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

Handling 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.

Storage 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.

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Section 8. Exposure Controls/Personal Protection

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

Personal Protection

Eyes Chemical splash goggles.

Hands Chemical resistant gloves. Includes: Neoprene gloves. Rubber gloves.

Respiratory 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.

Feet Protective footwear.

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

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.

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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.

Section 14. Transport Information

DOT Classification

DOT Proper Shipping Name Please refer to the Bill of Lading/receiving documents for up to date shipping information.

TDG Classification

TDG Proper Shipping Name Please refer to the Bill of Lading/receiving documents for up to date shipping information.
TDG Class

Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2

US Regulations

Federal SARA 302/304/311/312 hazardous chemicals: Monoethanolamine, Diethylene Glycol Butyl Ether, Butane, Isobutane, Sodium hydroxide
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Monoethanolamine, Diethylene Glycol Butyl Ether, Butane, Isobutane, Sodium hydroxide
SARA 313 toxic chemical notification and release reporting: Diethylene Glycol Butyl Ether
Clean Water Act (CWA) 311: Sodium hydroxide
Clean air act (CAA) 112 accidental release prevention: Butane, Isobutane
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

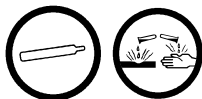
This product is not subject to the reporting requirements under California's Proposition 65.

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.

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Section 16. Other Information

Other Special MSDS Serial Range: 001-003
Considerations

Version 2.01

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