

MATERIAL SAFETY DATA SHEET



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 ³ (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 ³ (Ceiling)	2 mg/m ³ (TWA)	2 mg/m ³ (Ceiling)
Monoethanolamine	141-43-5	6 ppm (STEL) 3 ppm (TWA)	3 ppm (TWA) 6 mg/m ³ (TWA)	6 ppm (STEL) 15 mg/m ³ (STEL) 3 ppm (TWA) 8 mg/m ³ (TWA)
Butane	106-97-8	1000 ppm (TWA)		800 ppm (TWA) 1900 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Aerosol

pH: 13.0

Appearance: Liquid Aerosol

Color: Tan

Odor: Citrus

Specific gravity: 1.049

Density: 8.49 lbs/gal

VOC: 7.9% *

Flash point: <19.4°F <-7°C

Solubility: Soluble

Viscosity: No information available

Bulk density: No information available

Dilution pH: No information available.

Vapor density: No information available

Evaporation Rate: No information available

Boiling point/range: Not determined

Melting point/range: Not determined

Decomposition temperature: Not determined

Autoignition temperature: No information available

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

Solubility in other solvents: No information available

Elemental Phosphorus: 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.

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.

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