

DRA 9/20/06

MATERIAL SAFETY DATA SHEET

MSDS # 126040001

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MR. MUSCLE OVEN AND GRILL CLEANER

Date Issued: 03Nov1998

Supersedes: 25Aug1998

Drackett Professional A Division of S.C. Johnson Commercial Markets, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (800) 725-6737 Emergency Phone: (800) 851-7145	HAZARD RATING ----- 4-Very High 3-High 2-Moderate 1-Slight 0-Insignificant	HMIS ----- 3 4 0 Special	HAZARD ----- Health Flammability Reactivity Special	NFPA ----- 3 4 0
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SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... MR. MUSCLE OVEN AND GRILL CLEANER  
 REASON FOR CHANGE..... No significant changes. MSDS Serial 001 - 003.  
 PRODUCT USE..... Industrial/Institutional: Cleaning product.

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
Hydrated Magnesium Aluminum Silicate..... (CAS# 12199-37-0)	1-5	NOT ESTABLISHED LD50: >50,000 mg/k (oral-mouse) ; >3,500 mg/kg (dermal-rabbit)
[PA NJ MA] Monoethanolamine (CAS# 141-43-5)...	1-5	3 ppm ACGIH/OSHA TWA , 6 ppm ACGIH/OSHA STEL LD50: 2,050 mg/kg (oral-rat)
[PA NJ MA] Sodium Hydroxide (CAS# 1310-73-2) ..	1-5	2 mg/m <sup>3</sup> ACGIH/OSHA CEILING LD50: 140-340 mg/kg (oral-rat) LC50: >40 mg/m <sup>3</sup> (inhalation-rat) 1 hr.
[PA NJ MA] Isobutane (CAS# 75-28-5).....	1-5	NOT ESTABLISHED
[PA NJ MA] Butane (CAS# 106-97-8).....	1-5	800 ppm ACGIH/OSHA TWA
[SARA] Diethylene Glycol Butyl Ether..... (CAS# 112-34-5)	10-30	35 ppm TWA (SUPPLIER RECOMMENDED) LD50: 5,600 mg/kg (oral-rat) 4,000 mg/kg (dermal-rabbit)
Water (CAS# 7732-18-5).....	60-90	NOT ESTABLISHED

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Eye contact. Skin contact.  
 EFFECTS OF ACUTE EXPOSURE:  
 EYE..... Corrosive and may cause permanent damage including blindness.  
 SKIN..... Corrosive and may cause permanent damage.  
 INHALATION..... May cause irritation or corrosive effects to nose, throat and  
respiratory tract.  
 INGESTION..... Corrosive and may cause permanent damage to mouth, throat and  
stomach.  
 MEDICAL CONDITIONS..... Individuals with chronic respiratory disorders such as asthma,  
 GENERALLY RECOGNIZED chronic bronchitis, emphysema, etc., may be more susceptible to  
 AS BEING AGGRAVATED irritating effects.  
 BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Flush immediately with plenty of water for at least 15 to 20  
minutes. Get medical attention immediately.  
 SKIN CONTACT..... Flush immediately with plenty of water for at least 15 to 20  
minutes. Get medical attention immediately.

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### SECTION 4 - FIRST AID MEASURES (continued)

INHALATION..... If breathing is affected, remove to fresh air. Get medical attention immediately.

INGESTION..... Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Do not administer anything by mouth to an unconscious person. Get medical attention immediately.

### SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... < 20°F (< -7°C) (TCC) (propellant)

FLAMMABLE LIMITS..... Not available.

AUTOIGNITION..... Not available.

TEMPERATURE

EXTINGUISHING MEDIA.... Foam. CO2. Dry chemical. Water fog.

SPECIAL FIREFIGHTING... Cool and use caution when approaching or handling fire-exposed PROCEDURES containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND..... Corrosive Material (See Sections 8 and 10). Aerosol product - EXPLOSION HAZARDS Containers may rocket or explode in heat of fire.

### SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN... Wear/use appropriate protective equipment. Eliminate all ignition CASE MATERIAL IS sources. Absorb with fuller's earth or other inert materials. RELEASED OR SPILLED Sweep or scrape up and containerize. Rinse affected area thoroughly with water.

### SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY..... DANGER: CORROSIVE: CAUSES EYE AND SKIN BURNS. Avoid contact with INFORMATION skin, eyes and clothing. HARMFUL OR FATAL IF SWALLOWED. Do not taste or swallow. Avoid breathing vapor. CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Do not expose to heat or store at temperatures above 120°F. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

OTHER HANDLING AND.... Wash thoroughly after handling. Thoroughly clean footwear and STORAGE CONDITIONS clothing before reuse. Keep container closed. Use only with adequate ventilation. Keep from freezing. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue.

### SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. If mists/vapors are not adequately controlled by ventilation, use: NIOSH/OSHA approved Dust/mist respirator.

VENTILATION..... General room ventilation is normally adequate. Substantial amounts of mists/vapors can be controlled with local exhaust ventilation or respiratory protection.

PROTECTIVE GLOVES..... Neoprene. Rubber.

EYE PROTECTION..... Chemical splash-proof goggles.

OTHER PROTECTIVE..... If major exposure is possible to eyes/skin, wear/use appropriate MEASURES protective equipment.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR..... Tan.

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### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)

PRODUCT STATE..... Dispensed as a spray mist.  
ODOR..... Citrus.  
pH..... 13  
ODOR THRESHOLD..... Not available.  
SOLUBILITY IN WATER.... Complete.  
SPECIFIC GRAVITY..... 1.0  
(H<sub>2</sub>O=1)  
VISCOSITY..... 300 (C.P.S.)  
VAPOR DENSITY (AIR=1).. > 1  
EVAPORATION RATE (BUTYL ACETATE=1) < 1  
VAPOR PRESSURE (mm HG). Not available.  
BOILING POINT..... 212°F (100°C)  
FREEZING POINT..... 32°F (0°C)  
COEFFICIENT OF..... Not available.  
WATER/OIL  
PERCENT VOLATILE BY.... Not available.  
VOLUME (%)  
VOLATILE ORGANIC..... Not available.  
COMPOUND (VOC)  
THEORETICAL VOC..... Not available.  
(LB/GAL)

### SECTION 10 - STABILITY AND REACTIVITY

STABILITY..... Stable.  
STABILITY - CONDITIONS. No special requirements.  
TO AVOID  
INCOMPATIBILITY..... Avoid contact with: Strong acids (eg., muriatic acid).  
HAZARDOUS DECOMPOSITION PRODUCTS When exposed to fire: Produces normal products of combustion.  
Toxic decomposition products include: sodium oxides  
HAZARDOUS..... Will not occur.  
POLYMERIZATION  
HAZARDOUS..... None known.  
POLYMERIZATION -  
CONDITIONS TO AVOID

### SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3)

LD50 (ACUTE ORAL TOX).. Corrosive.  
LD50 (ACUTE DERMAL TOX) Corrosive.  
EFFECTS OF CHRONIC..... None known.  
EXPOSURE  
SENSITIZATION..... None known.  
CARCINOGENICITY..... 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.  
REPRODUCTIVE TOXICITY.. None known.  
TERATOGENICITY..... None known.  
MUTAGENICITY..... None known.

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----- SECTION 12 - ECOLOGICAL INFORMATION -----

ENVIRONMENTAL DATA..... Not available.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL..... If possible, recycle empty aerosol can to nearest steel recycling center. Use up package or give to someone who can. Disposal of undiluted product is regulated under environmental and transportation laws as a corrosive waste. Observe all Federal, Provincial, State and Municipal regulations.  
INFORMATION

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Consumer commodity ORM-D  
CANADIAN SHIPPING NAME. Consumer commodity  
TDG CLASSIFICATION..... Not applicable.  
PIN/NIP..... Not applicable.  
PACKING GROUP..... Not applicable.  
EXEMPTION NAME..... Not applicable.

----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... A; E

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

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65. These ingredients from Section 2 are subject to the following reporting requirements:

- PA - The Pennsylvania Hazardous Substance List
- NJ - The New Jersey Right to Know Hazardous Substance List
- MA - The Massachusetts Hazardous Substance List
- SARA - The Superfund Amendments and Reauthorization Act of 1986 Title III, Section 313 and 40 CFR Part 372

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. NFPA 30B Level 1 Aerosol.  
EPA REGISTRATION #..... Not applicable.

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1 (Manufacturer) for contact information.

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PRINT DATE: 04Dec1998