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: 1
Preparation date: 2011-06-01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: MR. MUSCLE Oven and Grill Cleaner (Aerosol)

MSDS #: MS0500281
Product Code: 91206
Recommended use: Industrial/Institutional. Oven and Grill Cleaner.

Manufacturer, importer, supplier:
Consumer Branded Professional Products
Diversey, Inc.
8310 16th Street
Sturtevant, Wisconsin 53177-1964
Phone: (888) 352-2249

Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

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

Principal routes of exposure: Skin contact. Inhalation. Eye contact.
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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>LD50 Oral - Rat (mg/kg)</th>
<th>LD50 Dermal - Rabbit</th>
<th>LC50 Inhalation - Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>1 - 5%</td>
<td>Not available</td>
<td>Not available</td>
<td>658 mg/L (4 h)</td>
</tr>
<tr>
<td>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>10 - 20%</td>
<td>3384</td>
<td>2700 mg/kg</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>1 - 5%</td>
<td>500</td>
<td>1350 mg/kg</td>
<td>Not available</td>
</tr>
<tr>
<td>Monoethanolamine</td>
<td>141-43-5</td>
<td>1 - 5%</td>
<td>1720</td>
<td>1 mL/kg 1025 mg/kg</td>
<td>Not available</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1 - 5%</td>
<td>Not available</td>
<td>Not available</td>
<td>658 mg/L (4 h)</td>
</tr>
</tbody>
</table>

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: Remove and wash contaminated clothing and footwear before re-use. Get medical attention immediately. Immediately wash off with plenty of water for at least 15 minutes.
Inhalation: If breathing is affected, remove to fresh air. Get medical attention immediately.
Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately. Rinse mouth, then immediately drink one cupful of water or milk.
Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:  Dry chemical, water spray, foam.
Specific hazards:  Aerosol product - Contain... 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.

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:  Remove all sources of ignition. Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods:  Sweep up and shovel into suitable containers for disposal. Prevent product from entering drains. Soak up with inert absorbent material. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:  Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. ALWAYS WEAR LONG CHEMICAL-RESISTANT GLOVES, CHEMICAL-SPASH 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. FOR COMMERICAL AND INDUSTRIAL USE ONLY.
Storage:  Protect from freezing. Keep out of the reach of children. 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. Store in a cool, dry, well ventilated area away from heat or open flame.

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 neoprene rubber gloves Includes
   Skin and body protection:  If major exposure is possible, wear suitable protective clothing and footwear. Boots, Chemical resistant.
   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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>1000 ppm (TWA)</td>
<td>800 ppm (TWA) 1900 mg/m³ (TWA)</td>
<td></td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>2 mg/m³ (Ceiling)</td>
<td>2 mg/m³ (TWA) 2 mg/m³ (Ceiling)</td>
<td></td>
</tr>
<tr>
<td>Monoethanolamine</td>
<td>141-43-5</td>
<td>6 ppm (STEL) 3 ppm (TWA) 3 ppm (TWA) 6 mg/m³ (TWA)</td>
<td>3 ppm (TWA) 6 mg/m³ (TWA)</td>
<td>6 ppm (STEL) 15 mg/m³ (STEL)</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1000 ppm (TWA)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Appearance</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.049</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility</td>
<td>Completely Soluble</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Color</td>
<td>Tan</td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus</td>
</tr>
<tr>
<td>Melting point/temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>8.49 lbs/gal 1.049 Kg/L</td>
</tr>
</tbody>
</table>
Chronic toxicity:

RCRA Hazard Class: D002

None known

Hazardous decomposition products:

None reasonably foreseeable.

Specific effects

Materials to avoid:

Strong oxidising agents. Strong acids.

Reproductive toxicity:

None known

Conditions to avoid:

Keep away from open flames, hot surfaces and sources of ignition.

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Corrosive; Oral LD50 estimated to be between 2000 - 3000 mg/kg
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 Bill of Lading Description: CONSUMER COMMODITY, ORM-D

IMDG Bill of Lading Description: UN1950, Aerosols, 2.2, Ltd. Qty.

15. REGULATORY INFORMATION

International Inventories at CAS# Level
All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

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

RIGHT TO KNOW (RTK)

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>MARTK:</th>
<th>NJRTK:</th>
<th>PARTK:</th>
<th>RIRTK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Monoethanolamine</td>
<td>141-43-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
Sudden Release of Pressure: X

Section 302 TPQ (lbs)

Section 313

Canada

Water 7732-18-5

WHMIS hazard class: A   Compressed gases,  E    Corrosive material .

Sodium hydroxide 1310-73-2

1 - 5%

1000

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: NFPA 30B Level 1 Aerosol. Contains a citrus fragrance.

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