1. IDENTIFICATION

Product name: Mr. Muscle Fryer Boil-Out
Product Code: 991209
SDS #: MS0800263
Recommended use: • Industrial/Institutional
• Kitchen hygiene product
• This product is intended to be diluted prior to use
Uses advised against: Uses other than those identified are not recommended

Manufacturer, importer, supplier:
US Headquarters
Diversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Phone: 1-888-352-2249
MSDS Internet Address: www.diversey.com

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

2. HAZARDS IDENTIFICATION

Classification for the undiluted product
Skin corrosion/irritation Category 1B
Serious eye damage/eye irritation Category 1

Signal Word: Danger

Precautionary Statements.
Avoid contact with eyes, skin and clothing. Causes burns/serious damage to mouth, throat and stomach. Keep container tightly closed. Do not breathe vapors. Wash affected areas thoroughly after handling. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Wash contaminated clothing before reuse. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Can react to release hazardous gases.

Health hazards not otherwise classified (HHNOC) - Not applicable
Physical hazards not otherwise classified (PHNOC) - Not applicable
3. COMPOSITION/INFORMATION ON INGREDIENTS

 Classified Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol ethoxylates</td>
<td>68439-46-3</td>
<td>5 - 10%</td>
</tr>
<tr>
<td>Hydroxyacetic acid</td>
<td>79-14-1</td>
<td>5 - 10%</td>
</tr>
</tbody>
</table>

*Exact percentages are being withheld as trade secret information

4. FIRST AID MEASURES

Undiluted Product:

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

**Aggravated Medical Conditions:** Persons with pre-existing skin disorders may be more susceptible to irritating effects.

Diluted Product:

**Eyes:** Rinse with plenty of water if irritation occurs and persists, get medical attention.

**Skin:** Rinse with plenty of water if irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required

**Ingestion:** Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

**Specific methods:** No special methods required

**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:** Not applicable.

**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.).

**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Soak up with inert absorbent material. Shovel into suitable container for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage:
Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.
Aerosol Level (if applicable) : Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol ethoxylates</td>
<td>68439-46-3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hydroxyacetic acid</td>
<td>79-14-1</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Undiluted Product:
Engineering measures to reduce exposure:
No special ventilation requirements General room ventilation is adequate

Personal Protective Equipment
- **Eye protection:** Chemical-splash goggles.
- **Hand protection:** Chemical-resistant gloves.
- **Skin and body protection:** Protective footwear.
- **Respiratory protection:** No special protective clothing is required.
- **Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

Diluted Product:

Personal Protective Equipment
- **Eye protection:** No personal protective equipment required under normal use conditions.
- **Hand protection:** No personal protective equipment required under normal use conditions.
- **Skin and body protection:** No personal protective equipment required under normal use conditions.
- **Respiratory protection:** No personal protective equipment required under normal use conditions.
- **Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Physical State:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation Rate:</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/range:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility in other solvents:</td>
<td>No information available</td>
</tr>
<tr>
<td>Density:</td>
<td>8.59 lbs/gal 1.0303 Kg/L</td>
</tr>
<tr>
<td>Bulk density:</td>
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</tr>
<tr>
<td>Flash point:</td>
<td>&gt; 200 °F &gt; 93.3 °C</td>
</tr>
<tr>
<td>Dilution Flash Point:</td>
<td>200 °F 93.3 °C</td>
</tr>
<tr>
<td>Elemental Phosphorus:</td>
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</tr>
<tr>
<td>pH:</td>
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</tr>
<tr>
<td>Dilution pH:</td>
<td>2.87 @ 1:128</td>
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<tr>
<td>Metal Corrosion:</td>
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</tr>
<tr>
<td>Color:</td>
<td>Clear, Blue</td>
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<tr>
<td>Odor:</td>
<td>Surfactant</td>
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<tr>
<td>Boiling point/range:</td>
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</tr>
<tr>
<td>Decomposition temperature:</td>
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<tr>
<td>Solubility:</td>
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</tr>
<tr>
<td>Relative Density (relative to water):</td>
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</tr>
<tr>
<td>Vapor density:</td>
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</tr>
<tr>
<td>Vapor pressure:</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC:</td>
<td>0 % *</td>
</tr>
<tr>
<td>VOC % by wt. at use dilution:</td>
<td>0 % *</td>
</tr>
<tr>
<td>Flammability (Solid or Gas):</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosion limits: - upper:</td>
<td>Not determined</td>
</tr>
<tr>
<td>- lower:</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

- * - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Reactivity: Not Applicable
Stability: The product is stable
Hazardous decomposition products: None reasonably foreseeable.
Materials to avoid: Strong bases. Ammonia. Do not mix with chlorinated products (such as bleach). Do not mix with any other product or chemical.
Conditions to avoid: No information available.

11. TOXICOLOGICAL INFORMATION
Information on likely routes of exposure:
Eye contact, Skin contact, Inhalation, Ingestion

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure
Skin contact: Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).
Eye contact: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.
Ingestion: Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.
Sensitization: No known effects.

Numerical measures of toxicity
ATE - Oral (mg/kg): > 5,000

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.
Persistence and Degradability: No information available.
Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations. This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.
Contaminated Packaging: Do not re-use empty containers.
RCRA Hazard Class (undiluted product): D002 Corrosive Waste
RCRA Hazard Class (diluted product): Not Regulated

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Please refer to the Diversey HazMat Library, only available through Internet Explorer, http://naextranet.diversey.com/dot/, for up to date shipping information.

DOT (Ground) Bill of Lading Description: LTD. QTY.
IMDG (Ocean) Bill of Lading Description: UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (glycolic acid), 8, III, 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>Water</td>
<td>7732-18-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Alcohol ethoxylates</td>
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Mr. Muscle Fryer Boil-Out
<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>CERCLA/SARA RQ (lbs)</th>
<th>Section 302 TPQ (lbs)</th>
<th>Section 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>75-07-0</td>
<td>&lt; 0.1%</td>
<td>1000</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAA HAP</th>
<th>CAA ODS</th>
<th>CWA Priority Pollutants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>X</td>
<td></td>
<td></td>
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**SARA 311/312 Hazard Categories**
- Immediate: X
- Delayed: -
- Fire: -
- Reactivity: -
- Sudden Release of Pressure: -

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<th>NPRI</th>
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<td>X</td>
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**16. OTHER INFORMATION**

**NFPA (National Fire Protection Association)**
Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)
- Health: 3
- Flammability: 0
- Instability: 0

**Version Number:** 1
**Preparation date:** 2014-05-30
**Reason for revision:** Not applicable
**Prepared by:** NAPRA
**Additional advice:** • Does not contain an added fragrance

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