1. PRODUCT AND COMPANY IDENTIFICATION

Product name: BREAK UP HIGH FOAMING DEGREASER

MSDS #: MS0300211
Product Code: 3313117, 3415711
Recommended use: Multi-Surface Cleaner/Degreaser.

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)

Canadian Headquarters
Diversey, Inc. - Canada, Inc.
2401 Bristol Circle
Oakville, Ontario L6H 6P1
Phone: 1-800-668-3131

2. HAZARDS IDENTIFICATION

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

Eye contact:
Moderately irritating to the eyes.

Skin contact:
Moderately irritating to the skin.

Inhalation:
None known.

Ingestion:
May cause irritation 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>Lauryl dimethyl amine oxide</td>
<td>1643-20-5</td>
<td>5 - 10%</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>0.1 - 1.5%</td>
<td>12600</td>
<td>Not available</td>
<td>&gt;570 mg/m³ (1 h)</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>0.1 - 1.5%</td>
<td>7060</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye contact: Flush immediately with plenty of water. If irritation persists, get medical attention.
Skin contact: Flush immediately with plenty of water. If irritation persists, get medical attention.
Inhalation: No specific first aid measures are required.
Ingestion: If swallowed, give a cupful of water or milk.
Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
Specific hazards: Not applicable
Unusual hazards: None known
Specific methods: No special methods required

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: Use personal protective equipment
Environmental precautions and clean-up methods: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean-up methods - large spillage. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: No special ventilation requirements General room ventilation is adequate
Personal Protective Equipment
- Eye protection: No special requirements under normal use conditions.
- Hand protection: No special requirements under normal use conditions.
- Skin and body protection: No special requirements under normal use conditions.
- Respiratory protection: No special requirements under normal use conditions.
- 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>Glycerin</td>
<td>56-81-5</td>
<td>10 mg/m³ (TWA)</td>
<td>15 mg/m³ (TWA)</td>
<td>10 mg/m³ (TWA)</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>1000 ppm (STEL)</td>
<td>1000 ppm (TWA)</td>
<td>1000 ppm (TWA)</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Liquid
Specific gravity: 1.012
Vapor density: No information available
Boiling point/range: Not determined
Decomposition temperature: Not determined
Solubility: Completely Soluble
Solubility in other solvents: No information available
Partition coefficient (n-octanol/water): No information available
Elemental Phosphorus: 0% by wt.
pH: 7.5
Bulk density: No information available
Evaporation Rate: No information available
Color: Green
Odor: No Odor/Odorless
Melting point/range: Not determined
Autoignition temperature: No information available
Density: 8.45 lbs/gal K/L
Flash point: >200°F >93.4°C
Viscosity: No information available
VOC: 0.75% *
Dilution pH: No information available.

Explosion limits: - upper: Not determined - lower: Not determined

* - 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.
11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 estimated to be > 2000 mg/kg Oral Dermal LD50 estimated to be greater than 5000 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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA</th>
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<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>X</td>
<td>1</td>
<td>X</td>
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</tbody>
</table>

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

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
  All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Australia (AICS), China (IECSC).

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>
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</thead>
<tbody>
<tr>
<td>Alkyl poly glycoside</td>
<td>110615-47-9</td>
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<tr>
<td>Lauryl dimethyl amine oxide</td>
<td>1643-20-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Cocamidopropyl betaine</td>
<td>61789-40-0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tbody>
</table>

CERCLA/ SARA

SARA 311/312 Hazard Categories
  - Immediate: X
  - Delayed: -
  - Fire: -
  - Reactivity: -
  - Sudden Release of Pressure: -

Canada

WHMIS hazard class: D2B  Toxic materials

BREAK UP HIGH FOAMING DEGREASER
### Ingredient(s) | CAS # | NPRI
---|---|---
Ethyl alcohol | 64-17-5 | X

## 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Reason for revision:</th>
<th>Not applicable</th>
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<tr>
<td>Prepared by:</td>
<td>NAPRAC</td>
</tr>
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<td>Additional advice:</td>
<td>None</td>
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