ENVI LIQUID DISINFECTANT CLEANER (US)

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ENVY LIQUID DISINFECTANT CLEANER (US)

MSDS #: MS0300946
Product Code: 04528
Recommended use: Disinfectant. Cleaning product. This product is intended to be used neat.

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

WARNING. CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY. MAY BE MILDLY IRRITATING TO SKIN.

Principal routes of exposure: Eye contact. Skin contact. Inhalation.
Eye contact: Severe eye irritation.
Skin contact: May be mildly irritating to skin.
Inhalation: May be irritating to nose, throat, and respiratory tract.
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>Ammonium hydroxide</td>
<td>1336-21-6</td>
<td>0.1 - 1.5%</td>
<td>350</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>34590-94-8</td>
<td>1 - 5%</td>
<td>5230</td>
<td>9500 mg/kg</td>
<td>Not available</td>
</tr>
<tr>
<td>n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride</td>
<td>68391-01-5</td>
<td>0.1 - 1.5%</td>
<td>500</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride</td>
<td>68956-79-6</td>
<td>0.1 - 1.5%</td>
<td>500</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention.
Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Get medical attention.
Inhalation: If breathing is affected, remove to fresh air. Get medical attention.
5. FIRE-FIGHTING MEASURES

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

Specific hazards: None known.

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: Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use appropriate containment to avoid environmental contamination.

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. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment

Eye protection: Chemical-splash goggles.
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>Dipropylene glycol methyl ether</td>
<td>34590-94-8</td>
<td>150 ppm (STEL)</td>
<td>Skin 100 ppm (TWA) 600 mg/m³ (TWA)</td>
<td>150 ppm (STEL) 900 mg/m³ (STEL) 100 ppm (TWA) 60 mg/m³ (TWA)</td>
</tr>
</tbody>
</table>

Physical State: Liquid
Appearance: Liquid
Specific gravity: 1.017
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: 0.3 % by wt.
pH: 12.2
Explosion limits: - upper: Not determined - lower: Not determined

9. PHYSICAL AND CHEMICAL PROPERTIES

Bulk density: No information available
Evaporation Rate: No information available
Color: Clear Colorless
Odor: Lavender Ammonia
Melting point/range: Not determined
Autoignition temperature: No information available
Density: 8.51 lbs/gal 1.02 Kg/L
Flash point: > 200 °F > 93.4 °C
Viscosity: No information available
VOC: 2.26 % *
Dilution pH: 12.2 @ RTU
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.
Conditions to avoid: Do not freeze.

11. TOXICOLOGICAL INFORMATION

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

Do not contaminate water, food, or feed by storage or disposal

Pesticide Storage:
Store in a dry place no lower in temperature than 50°F or higher than 120°F.

Pesticide Disposal:
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law

Container Disposal:
Pesticide product disposal requirements vary by package size and type. Pesticides include disinfectants and sanitizers. See product label for complete disposal instructions. Always dispose of according to all federal, state and local applicable regulations.

14. TRANSPORT INFORMATION


DOT Bill of Lading Description: DISINFECTANTS
IMDG Bill of Lading Description: DISINFECTANTS

15. REGULATORY INFORMATION

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

U.S. Regulations
EPA Reg. No.: 70627-33
California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

CERCLA/ SARA
Sudden Release of Pressure:

<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>Ammonium hydroxide</td>
<td>1336-21-6</td>
<td>0.1 - 1.5%</td>
<td>1000</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

None

**SARA 311/312 Hazard Categories**

Immediate: X

Delayed: 

Fire: 

Reactivity: 

Sudden Release of Pressure: 

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16. OTHER INFORMATION

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: Contains an added fragrance, see "Odor" heading in section 9 for specific description

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