END BAC II DISINFECTANT SPRAY

Section 1. Chemical Product and Company Identification

Product Name END BAC II DISINFECTANT SPRAY
Product Use Industrial/Institutional: Disinfectant.
MSDS# 114740006
U.S. Headquarters
JohnsonDiversey, Inc.
8310 16th Street
Sturtevant, Wisconsin 53177-0902
Phone: (888) 352-2249
MSDS Internet Address: www.johnsondiversey.com

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

Code 14742
PMS# 433113
Validation Date 4/14/2004
Print Date 4/14/2004
Supersedes No Previous Validation

Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>% by Weight</th>
<th>Exposure Limits</th>
<th>LC50/LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Alkyl Dimethyl Ethylnbenzyl Ammonium Chlorides</td>
<td>68956-79-6</td>
<td>0.72</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>n-Alkylidimethylethylnbenzyl ammonium chlorides</td>
<td>68391-01-5</td>
<td>0.72</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
| Propane     | 74-98-6   | 1-5         | OSHA (United States).
TWA: 1800 mg/m³
ACGIH (United States).
TWA: 4508 mg/m³
TWA: 2500 ppm 8 hour(s).
OSHA PEL (United States, 1993). Notes:
TWA: 1800 mg/m³ 8 hour(s).
TWA: 1000 ppm 8 hour(s) | Not available. |
| Isobutane   | 75-28-5   | 10-30       | VAPOR (LC50): Acute: 0.0057 ppm 0.25 hour(s) [Rat].
ORAL (LD50): Acute: 7060 mg/kg [Rat]. 6300 mg/kg [Rabbit]. 3450 mg/kg [Mouse]. VAPOR (LC50): Acute: 20000 ppm 10 hour(s) [Rat]. |
| Ethyl Alcohol | 64-17-5  | 30-60       | OSHA (United States).
TWA: 1900 mg/m³
ACGIH (United States).
TWA: 1880 mg/m³
ACGIH TLV (United States, 2003). Notes: 1996 Adoption Refers to Appendix A -- |

Continued on Next Page
**Section 3. Hazards Identification**

**Routes of Entry**

Inhalation. Skin contact. Eye contact.

**Potential Acute Health Effects**

- **Eyes** May be mildly irritating to eyes.
- **Skin** May be mildly irritating to skin.
- **Inhalation** May be irritating to nose, throat, and respiratory tract.
- **Ingestion** None known.

**Medical Conditions Aggravated by Overexposure:**

Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

See Toxicological Information (section 11)

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**Section 4. First Aid Measures**

**Eye Contact**

Flush immediately with plenty of water. Get medical attention if irritation occurs.

**Skin Contact**

Flush immediately with plenty of water. Get medical attention if irritation occurs.

**Inhalation**

If breathing is difficult: Remove to fresh air. Get medical attention.

**Ingestion**

Have conscious person drink several glasses of water or milk. Immediately get medical attention.

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**Section 5. Fire Fighting Measures**

**Flammability of the Product**

None known.

**Flash Points**

CLOSED CUP: <-7°C (19.4°F).

**Products of Combustion**

None known.

**Fire Fighting Media and Instructions**

Use water spray to keep fire-exposed containers cool. Dry chemical, carbon dioxide. Fight fire from protected location or maximum possible distance. In case of fire and/or explosion do not breathe fumes.

**Protective Clothing (Fire)**

Put on appropriate personal protective equipment (see Section 8).

**Special Remarks on Fire and Explosion Hazards**

Aerosol product - Containers may rocket or explode in heat of fire.

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**Section 6. Accidental Release Measures**

**Personal Precautions**

Put on appropriate personal protective equipment (see Section 8).

**Environmental Precautions and Clean-up Methods**

Eliminate all ignition sources. In the event of major spillage: Use appropriate containment to avoid environmental contamination. Take up with sand or other non-combustible material. Place in suitable clean, dry containers for disposal by approved methods.

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**Section 7. Handling and Storage**

**Handling**

Avoid contact with skin and eyes. Avoid breathing vapors or spray mists. Use only in well-ventilated areas. Do not puncture or incinerate. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage**

Store in a dry, cool and well-ventilated area. Protect from freezing. Keep away from heat, sparks and flame. Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. KEEP OUT OF REACH OF CHILDREN.
Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Engineering Controls</th>
<th>No special ventilation requirements. General room ventilation is adequate.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Protection</td>
<td>Eyes: No special requirements under normal use conditions.</td>
</tr>
<tr>
<td></td>
<td>Hands: No special requirements under normal use conditions.</td>
</tr>
<tr>
<td></td>
<td>Respiratory: No special requirements under normal use conditions.</td>
</tr>
<tr>
<td></td>
<td>Feet: No special requirements under normal use conditions.</td>
</tr>
<tr>
<td></td>
<td>Body: No special protective clothing is required.</td>
</tr>
</tbody>
</table>

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State and Appearance</th>
<th>Liquid. (Aerosol.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Mild.</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless.</td>
</tr>
<tr>
<td>pH</td>
<td>9.35 [Basic.]</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.9</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>60 mm of Hg</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Complete.</td>
</tr>
</tbody>
</table>

Section 10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Stability and Reactivity</th>
<th>The product is stable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions of Instability</td>
<td>Excessive heat.</td>
</tr>
<tr>
<td>Incompatibility with Various Substances</td>
<td>None known.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>When exposed to fire: Produces normal products of combustion.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>

Section 11. Toxicological Information

| Acute toxicity               | Not available. |
| Effects of Chronic Exposure  | None known.    |
| Other Toxic Effects          | Not available. |

Section 12. Ecological Information

Not available.

Section 13. Disposal Considerations

Waste Information
If possible, recycle empty aerosol cans to the nearest steel recycling center. Use up package or give to someone who can. Dispose of according to all federal, state and local regulations.

Section 14. Transport Information

<table>
<thead>
<tr>
<th>DOT Classification</th>
<th>Please refer to the Bill of Lading/receiving documents for up to date shipping information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Proper Shipping Name</td>
<td></td>
</tr>
<tr>
<td>TDG Classification</td>
<td>Please refer to the Bill of Lading/receiving documents for up to date shipping information.</td>
</tr>
<tr>
<td>TDG Proper Shipping Name</td>
<td></td>
</tr>
</tbody>
</table>
### Section 15. Regulatory Information

**Reporting in this section is based on ingredients disclosed in Section 2**

**US Regulations**

| Federal | Clean air act (CAA) 112 regulated flammable substances: Isobutane, Propane  
CERCLA: Hazardous substances.: Isobutane, Propane, Ethyl Alcohol |
|---------|------------------------------------------------------------------------|
| State   | New Jersey: Isobutane, Propane, Ethyl Alcohol  
Massachusetts spill list: Isobutane, Propane, Ethyl Alcohol  
Massachusetts RTK: Isobutane, Propane, Ethyl Alcohol  
Pennsylvania RTK: Isobutane, Propane, Ethyl Alcohol |

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

**Registered Product Information**

- EPA Registration Number: 11525-30-4822

**Canadian Regulations**

<table>
<thead>
<tr>
<th>WHMIS Classification</th>
<th>Not controlled under WHMIS (Canada).</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Icon</td>
<td><img src="image" alt="WHMIS Icon" /></td>
</tr>
</tbody>
</table>

**Registered Product Information**

- Not applicable.

**Chemical Inventory Status**

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

### Section 16. Other Information

**Other Special Considerations**

- MSDS Serial Range: 006-007

**Version**

- 1.01

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