# MATERIAL SAFETY DATA SHEET

## VANISH Thick Liquid Disinfectant Bowl Cleaner

<table>
<thead>
<tr>
<th>HMIS</th>
<th>NFPA</th>
<th>Personal protective equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: VANISH Thick Liquid Disinfectant Bowl Cleaner

MSDS #: 126043001

Product Code: 90157


Manufacturer, importer, supplier:

US Headquarters

JohnsonDiversey, Inc.

8310 16th St.

Sturtevant, Wisconsin 53177-0902

Phone: 1-800-233-1000

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

## 2. HAZARDS IDENTIFICATION

### Principle routes of exposure:
- Eye contact
- Skin contact
- Inhalation
- Ingestion

### Eye contact:
Corrosive. Causes permanent eye damage, including blindness.

### Skin contact:
Corrosive. Causes 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

### Hazardous 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>n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride</td>
<td>68391-01-5</td>
<td>0.3</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>n-Alkyl (68% C14, 32% C16) dimethyl ethylbenzyl ammonium chloride</td>
<td>68956-79-6</td>
<td>0.3</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Hydrochloric acid</td>
<td>7647-01-0</td>
<td>5 - 10%</td>
<td>700</td>
<td>&gt;5010 mg/kg</td>
<td>=3124 ppm (1 h)</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 immediately.

### Skin contact:
Take off contaminated clothing. Immediately flush with plenty of water for 15-20 minutes. Get medical attention immediately.

### Inhalation:
If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.

### Ingestion:
DO NOT induce vomiting. If able to swallow, offer sips of water or milk. GET MEDICAL ATTENTION IMMEDIATELY. Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

### Aggravated Medical Conditions:
Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., 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.
5. FIRE-FIGHTING MEASURES

Specific hazards: Not applicable
Unusual hazards: Corrosive material (See sections 8 and 10).
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: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Handling:
Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. 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.

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
Skin and body protection: Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric acid</td>
<td>7647-01-0</td>
<td>2 ppm (Ceiling)</td>
<td>5 ppm (Ceiling)</td>
<td>7 mg/m³ (Ceiling)</td>
</tr>
</tbody>
</table>

Physical State: Liquid
pH: 1.0
Appearance: Liquid
Color: Green
Odor: Floral
Specific gravity: 1.05
Density: 8.73 lbs/gal
VOC: 0.0% *
Flash point: >200°F >93.3°C
Solubility: completely soluble
Viscosity: No information available

* - 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.
Materials to avoid: Do not mix with chlorinated products.
Conditions to avoid: Do not mix with any other product or chemical.

11. TOXICOLOGICAL INFORMATION
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Acute toxicity: Corrosive; Oral LD50 estimated to be between 1000 - 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

Hazardous ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric acid</td>
<td>7647-01-0</td>
<td></td>
<td>3</td>
<td></td>
</tr>
</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).

U.S. Regulations
EPA Reg. No.: 70627-5
California Proposition 65: This product is not subject to the reporting requirements under California’s Proposition 65

STATE RIGHT TO KNOW

<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>Hydrochloric acid</td>
<td>7647-01-0</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethoxylated oleyl amine</td>
<td>13127-82-7</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

CERCLA/ SARA

<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>Hydrochloric acid</td>
<td>7647-01-0</td>
<td>5 - 10%</td>
<td>5000</td>
<td>5000</td>
<td>X</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>Hydrochloric acid</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate:</td>
<td>X</td>
</tr>
<tr>
<td>Delayed:</td>
<td>-</td>
</tr>
<tr>
<td>Fire:</td>
<td>-</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>-</td>
</tr>
<tr>
<td>Sudden Release of Pressure:</td>
<td>-</td>
</tr>
</tbody>
</table>

Canada
WHMIS hazard class: Not for sale in Canada.

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None
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