# SAFETY DATA SHEET

## Virex TB Ready-To-Use Disinfectant Cleaner

**Version Number:** 2  
**Preparation date:** 2015-02-13

### 1. IDENTIFICATION

- **Product name:** Virex TB Ready-To-Use Disinfectant Cleaner
- **Product Code:** 04743
- **SDS #:** MS0800547
- **Recommended use:**
  - Industrial/Institutional
  - Disinfectant
  - This product is intended to be used neat.
- **Uses advised against:**
  Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**
US Headquarters  
Diversey, Inc.  
P.O. Box 19747  
Charlotte, NC 28219-0747  
Phone: 1-888-352-2249  
SDS 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**

| Serious eye damage/eye irritation | Category 2A |

**Signal Word:** Warning.

**Precautionary Statements.**

**CAUSES SERIOUS EYE IRRITATION.**

Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water. 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. If eye irritation persists: Get medical advice or attention. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC):** Not applicable

**Physical hazards not otherwise classified (PHNOC):** Not applicable

**Percentage of unknown Acute Toxicity:** 1.29458

**Classification for the diluted product @ RTU**

This product is intended to be used neat.
### 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>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>5 - 10%</td>
</tr>
<tr>
<td>Tetrasodium salt of EDTA</td>
<td>64-02-8</td>
<td>1% - &lt; 3%</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>&gt; 0.1% - &lt; 1%</td>
</tr>
<tr>
<td>n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride</td>
<td>68956-79-6</td>
<td>&gt; 0.1% - &lt; 1%</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. If eye irritation persists: Get medical advice/attention.

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

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

**Ingestion:** If swallowed: Rinse mouth. 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:

This product is intended to be used neat.

**Eyes:** See undiluted product information above.

**Skin:** See undiluted product information above.

**Inhalation:** See undiluted product information above.

**Ingestion:** See undiluted product information above.

### 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. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**Aerosol Level (if applicable):** Not applicable
### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Guidelines:

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>10 ppm (TWA)</td>
<td>-</td>
</tr>
<tr>
<td>Tetrasodium salt of EDTA</td>
<td>64-02-8</td>
<td>-</td>
<td>-</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>-</td>
<td>-</td>
</tr>
<tr>
<td>n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride</td>
<td>68956-79-6</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Undiluted Product:
- Engineering measures to reduce exposure:
  - General room ventilation is adequate

#### Personal Protective Equipment
- Eye protection: Chemical-splash goggles.
- Hand protection: Chemical-resistant gloves.
- 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.

#### Diluted Product:
- This product is intended to be used neat.

#### Personal Protective Equipment
- Eye protection: Chemical-splash goggles.
- Hand protection: Chemical-resistant gloves.
- 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:

- **Physical State:** Liquid
- **Color:** Clear, Colorless
- **Evaporation Rate:** No information available
- **Odor:** Lemon Citrus
- **Odor threshold:** No information available.
- **Boiling point/range:** Not determined
- **Melting point/range:** Not determined
- **Solubility in other solvents:** No information available
- **Density:** 8.44 lbs/gal 1.012 Kg/L
- **Bulk density:** No information available
- **Flash point:** > 200 °F > 93.3 °C
- **Autoignition temperature:** No information available
- **Solubility in water:** No information available
- **Dilution Flash Point:** > 200 °F > 93.3 °C
- **Evaporation Rate:** No information available
- **Vapor density:** No information available
- **Viscosity:** No information available
- **Elemental Phosphorus:** 0 % by wt.
- **pH:** 12.2
- **pH at use dilution:** 12.2 @ RTU
- **Dilution pH:** 12.2 @ RTU
- **Flammability (Solid or Gas):** Not applicable
- **VOC % by wt.:** 0.06 % *
- **VOC % by wt. at use dilution:** 0.06 % *
- **Partition coefficient (n-octanol/water):** No information available
- **Viscosity:** No information available
- **Flash point:** > 200 °F > 93.3 °C
- **Autoignition temperature:** No information available
- **Solubility in water:** No information available
- **Dilution Flash Point:** > 200 °F > 93.3 °C
- **Evaporation Rate:** No information available
- **Vapor density:** No information available
- **Viscosity:** No information available
- **Elemental Phosphorus:** 0 % by wt.
- **pH:** 12.2
- **pH at use dilution:** 12.2 @ RTU
- **Dilution pH:** 12.2 @ RTU
- **Flammability (Solid or Gas):** Not applicable
- **VOC % by wt.:** 0.06 % *
- **VOC % by wt. at use dilution:** 0.06 % *
- **Partition coefficient (n-octanol/water):** No information available
- **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

- **Reactivity:** Not Applicable
- **Stability:** The product is stable
- **Hazardous decomposition products:** Nitrogen oxides (NOx).
- **Materials to avoid:** Acids, Oxidizing agents.
- **Conditions to avoid:** No information available.

### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Virex TB Ready-To-Use Disinfectant Cleaner

3 of 5
Eye contact, Skin contact, Inhalation

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Unlikely to be irritant in normal use.
**Eye contact:** Causes serious eye irritation. Symptoms may include pain, redness, and watering.
**Ingestion:** May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea.
**Inhalation:** May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.
**Sensitization:** No known effects.
**Target Organs (SE):** None known
**Target Organs (RE):** None known

**Numerical measures of toxicity**

- **ATE - Oral (mg/kg):** >5000
- **ATE - Dermal (mg/kg):** >5000
- **ATE - Inhalatory, mists (mg/l):** >20
- **Percentage of unknown Acute Toxicity:** 1.29458

**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:** PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes. This product, as sold, if discarded or disposed, is not 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.

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** Not Regulated

**14. TRANSPORT INFORMATION**

**DOT/TDG/IMDG:** Proper shipping descriptions can vary by pack size. 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:** DISINFECTANTS

**IMDG (Ocean) 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.:** 79627-2
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.
**ENVIRONMENTAL HAZARDS:** This product is toxic to fish and aquatic invertebrates.
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>
</tr>
<tr>
<td>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Tetrasodium salt of EDTA</td>
<td>64-02-8</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Alcohol ethoxylates</td>
<td>68131-39-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</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>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride</td>
<td>68956-79-6</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>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>5 - 10%</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazard Categories**

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</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>

**Canadian Regulations**

WHMIS hazard class: Not for sale in Canada.

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>NPRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>X</td>
</tr>
</tbody>
</table>

**16. OTHER INFORMATION**

**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

- Health 2
- Flammability 0
- Instability 0

**Version Number:** 2

**Preparation date:** 2015-02-13

**Reason for revision:** Not applicable

**Prepared by:** NAPRAC

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

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.