



## Virex II 256 One-Step Disinfectant Cleaner and Deodorant; Quat Based Disinfectant

Version Number: 1

Preparation date: 2014-10-09

### 1. IDENTIFICATION

**Product name:** Virex II 256 One-Step Disinfectant Cleaner and Deodorant; Quat Based Disinfectant  
**Product Code:** 04329, 04331, 04332, 3062637, 3062768, 5019317, 5271416  
**SDS #:** MS0800549  
**Recommended use:**

- Disinfectant
- This product is intended to be diluted prior to use

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

|  |  |
|--|--|
| US Headquarters<br>Diversey, Inc.<br>8310 16th St.<br>Sturtevant, Wisconsin 53177-1964<br>Phone: 1-877-870-2318<br>MSDS Internet Address: www.diversey.com | Canadian Headquarters<br>Diversey, Inc. - Canada<br>3755 Laird Road<br>Mississauga, Ontario L5L 0B3<br>Phone: 1-800-668-3131 |
|--|--|

**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

|                                   |                                |
|-----------------------------------|--------------------------------|
| Acute oral toxicity               | Category 4                     |
| Skin corrosion/irritation         | Category 1B                    |
| Serious eye damage/eye irritation | Category 1                     |
| Flammability                      | Combustible liquid, Category 4 |

**Signal Word:****Danger**

#### Precautionary Statements

**COMBUSTIBLE LIQUID. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. HARMFUL IF SWALLOWED.**  
 Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Keep away from flames and hot surfaces. No smoking. Keep container tightly closed. Do not breathe spray. Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. Immediately call a Poison Center (1-800-851-7145) or physician. Wash contaminated clothing before reuse. In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish. Store in a well-ventilated place. Keep cool. Dispose of in accordance with all federal, state and local applicable regulations.

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 Cleaner and Deodorant; Quat Based  
 Disinfectant

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**Health hazards not otherwise classified (HHNOC)** - Not applicable  
**Physical hazards not otherwise classified (PHNOC)** - Not applicable

**Classification for the diluted product @ 1:256**

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and current Canadian Controlled Products Regulations (CPR).

**Precautionary Statements**

None required.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Classified Ingredients**

| Ingredient(s)                             | CAS #      | Weight %  |
|---|------------|-----------|
| Didecyl dimethyl ammonium chloride        | 7173-51-5  | 5 - 10%   |
| n-alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | 5 - 10%   |
| Ethyl alcohol                             | 64-17-5    | 3% - < 5% |
| Tetrasodium salt of EDTA                  | 64-02-8    | 1% - < 3% |
| Lauryl dimethyl amine oxide               | 1643-20-5  | 1% - < 3% |
| Sodium sesquicarbonate                    | 533-96-0   | 1% - < 3% |

\*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.

**Skin:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Notes to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

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

**Diluted Product:**

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

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

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

**Ingestion:** Rinse mouth with water.

**5. FIRE-FIGHTING MEASURES**

**Specific methods:**

No special methods required

**Suitable extinguishing media:**

Use dry chemical, CO2, water spray or "alcohol" foam.

**Specific hazards:**

Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion.

**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. Remove all sources of ignition. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

**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. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. **COMBUSTIBLE LIQUID AND VAPOR.** Keep away from open flames, hot surfaces and sources of ignition. Use only in well-ventilated areas. Mix only with water. Do not mix with any other product or chemical. **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.**  
**Aerosol Level (if applicable) :** Not applicable

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines:**

| Ingredient(s)                             | CAS #      | ACGIH           | OSHA   |
|---|------------|-----------------|--|
| Didecyl dimethyl ammonium chloride        | 7173-51-5  | -               | -  |
| n-alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | -               | -  |
| Ethyl alcohol                             | 64-17-5    | 1000 ppm (STEL) | 1000 ppm (TWA)<br>1900 mg/m <sup>3</sup> (TWA) |
| Tetrasodium salt of EDTA                  | 64-02-8    | -               | -  |
| Lauryl dimethyl amine oxide               | 1643-20-5  | -               | -  |
| Sodium sesquicarbonate                    | 533-96-0   | -               | -  |

**Undiluted Product:**

**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.

**Diluted Product:**

**Personal Protective Equipment**

**Eye protection:** No personal protective equipment required under normal use conditions.  
**Hand protection:** No personal protective equipment required under normal use conditions.  
**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:**

|   |  |
|---|--|
| <b>Physical State:</b> Liquid                                 | <b>Color:</b> Clear, Blue  |
| <b>Evaporation Rate:</b> No information available             | <b>Odor:</b> Minty   |
| <b>Odor threshold:</b> No information available.              | <b>Boiling point/range:</b> Not determined                               |
| <b>Melting point/range:</b> Not determined                    | <b>Decomposition temperature:</b> Not determined                         |
| <b>Autoignition temperature:</b> No information available     | <b>Solubility:</b> Completely Soluble                                    |
| <b>Solubility in other solvents:</b> No information available | <b>Relative Density (relative to water):</b> 1.0                         |
| <b>Density:</b> 8.34 lbs/gal 1 Kg/L                           | <b>Vapor density:</b> No information available                           |
| <b>Bulk density:</b> No information available                 | <b>Vapor pressure:</b> No information available.                         |
| <b>Flash point:</b> 187 °F 86.1 °C                            | <b>Partition coefficient (n-octanol/water):</b> No information available |
| <b>Dilution Flash Point:</b> > 200 °F > 93.3 °C               | <b>Viscosity:</b> No information available                               |
| <b>Elemental Phosphorus:</b> 0.00 % by wt.                    | <b>VOC:</b> 3.58 % *   |
| <b>pH:</b> 10.2   | <b>VOC % by wt. at use dilution</b> 0.01 % *                             |
| <b>Dilution pH:</b> 8.8 @ 1:256                               | <b>Flammability (Solid or Gas):</b> Not applicable                       |

**Metal Corrosion:** Not determined

**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

**Reactivity:** Not Applicable  
**Stability:** The product is stable  
**Hazardous decomposition products:** None reasonably foreseeable.  
**Materials to avoid:** Oxidizing agents.  
**Conditions to avoid:** Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Do not mix with any other product or chemical.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

Eye contact, Skin contact, Inhalation, Ingestion

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

**Skin contact:** Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

**Ingestion:** Harmful if swallowed. Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include vomiting, nausea, and/or feeling of general unwellness.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

| Ingredient(s) | CAS #   | NTP | IARC | OSHA |
|---------------|---------|-----|------|------|
| Ethyl alcohol | 64-17-5 |     | -    |      |

### Numerical measures of toxicity

**ATE - Oral (mg/kg):** 1700  
**ATE - Dermal (mg/kg):** >5000  
**ATE - Inhalatory, mists (mg/l):** >20

## 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:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. 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. This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. 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

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

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the Diversey HazMat Library, only available through Internet Explorer, <http://naextranet.diverse.com/dot/>, for up

to date shipping information.

**DOT (Ground) Bill of Lading Description:** UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (quaternary ammonium compounds), 8, III

**IMDG (Ocean) Bill of Lading Description:** UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (quaternary ammonium compounds), 8, III, MARINE POLLUTANT

## 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. :** 70627-24

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.

DANGER: CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear chemical splash-proof goggles or face shield, rubber gloves and protective clothing. Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

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

### RIGHT TO KNOW (RTK)

| Ingredient(s)                             | CAS #      | MARTK: | NJRTK: | PARTK: | RIRTK: |
|---|------------|--------|--------|--------|--------|
| Water                                     | 7732-18-5  | -      | -      | -      | -      |
| Didecyl dimethyl ammonium chloride        | 7173-51-5  | -      | -      | -      | -      |
| n-alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | -      | -      | -      | -      |
| Ethyl alcohol                             | 64-17-5    | X      | X      | X      | -      |
| Tetrasodium salt of EDTA                  | 64-02-8    | -      | -      | -      | -      |
| Lauryl dimethyl amine oxide               | 1643-20-5  | -      | -      | -      | -      |
| Sodium sesquicarbonate                    | 533-96-0   | -      | -      | -      | -      |

### CERCLA/ SARA

#### SARA 311/312 Hazard Categories

Immediate: x  
Delayed: -  
Fire: x  
Reactivity: -  
Sudden Release of Pressure: -

### Canadian Regulations

**WHMIS hazard class:** Not for sale in Canada.

## 16. OTHER INFORMATION

### NFPA (National Fire Protection Association)

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

**Version Number:** 1

**Preparation date:** 2014-10-09

**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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