



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

Version Number: 2

Preparation date: 2017-01-20

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 #: MS0801116
Recommended use:

- Disinfectant
- This product is intended to be diluted prior to use
- Industrial/Institutional

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: <https://sds.sealedair.com>

Emergency telephone number: 1-800-851-7145; 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
Specific target organ toxicity (repeated exposure)	Category 2
Flammability	Combustible liquid, Category 4
Metal Corrosion:	Category 1



Signal Word:

Danger.

Precautionary Statements

COMBUSTIBLE LIQUID. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. HARMFUL IF SWALLOWED. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. MAY BE CORROSIVE TO METALS.

Causes burns/ serious damage to mouth, throat and stomach. Keep away from flames and hot surfaces. No smoking. Keep container tightly closed. Keep only in original container. Do not breathe spray. Avoid contact with eyes, skin and clothing. 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

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(or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse. 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. Absorb spillage to prevent material damage. Store in a well-ventilated place. Keep cool. Store in corrosive-resistant container with a resistant inner liner. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: Mix only with water. DO NOT MIX WITH BLEACH OR ANY OTHER PRODUCT OR CHEMICAL. Can react to release chlorine gas.

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 Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

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:

Corrosive material (See sections 8 and 10). 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: Mix only with water. DO NOT MIX WITH BLEACH OR ANY OTHER PRODUCT OR CHEMICAL. Can react to release chlorine gas. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Do not taste or swallow. 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. Use only with adequate ventilation. Avoid breathing vapors or mists. FOR COMMERCIAL AND INDUSTRIAL USE ONLY. 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) 1900 mg/m ³ (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:

No special ventilation requirements. General room ventilation is adequate. 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

Physical State: Liquid

Color: Clear, Blue

Evaporation Rate: No information available

Odor: Minty

Odor threshold: No information available.

Boiling point/range: Not determined

Melting point/range: Not determined

Decomposition temperature: Not determined

Autoignition temperature: No information available

Solubility: Completely Soluble

Solubility in other solvents: No information available

Relative Density (relative to water): 1.0

Density: 8.34 lbs/gal 1 Kg/L

Vapor density: No information available

Bulk density: No information available

Vapor pressure: No information available.

Flash point (°F): 187 °F 86.1 °C
Dilution Flash Point: > 200 °F > 93.3 °C
Elemental Phosphorus: - % by wt.
pH: 10.2
Dilution pH: 8.8 @ 1:256
Corrosion to metals: Corrosive
Explosion limits: - upper: Not determined - lower: Not determined

Partition coefficient (n-octanol/water): No information available
Viscosity: No information available
VOC: 3.58 % *
VOC % by wt. at use dilution 0.01 % *
Flammability (Solid or Gas): Not applicable
Sustained combustion: Not applicable

* - 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. Anionic surfactant. Do not mix with chlorinated products (such as bleach).
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: Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

Harmful if swallowed. 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.

Target Organs (SE): None known

Target Organs (RE): None known

Carcinogen Listings: Ethyl alcohol is only classified as an IARC 1 carcinogen and California Prop 65 when it is meant for ingestion in alcoholic beverages. We do not produce alcoholic beverages; therefore it is not considered a carcinogen in our products.

Ingredient(s)	CAS #	NTP	IARC	OSHA	CA Prop 65	CA Prop 65 Reproductive
Ethyl alcohol	64-17-5		-		Carcinogen	Developmental

Numerical measures of toxicity

ATE - Oral (mg/kg): 1500

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

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

Waste from residues / unused products (undiluted product):

This product, as sold, if discarded or disposed, is 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.

Waste from residues / unused products (diluted product):

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.

Pesticide Storage:

Refer to product label. Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container

Pesticide Disposal:

Refer to product label. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law

Container Disposal:

Refer to product label. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities burn. If burned, stay out of smoke

RCRA Hazard Class (undiluted product): D002 Corrosive Waste.

RCRA Hazard Class (diluted product): Not Regulated.

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Proper shipping descriptions can vary by pack size. Please refer to the Diversey HazMat Library, <http://naextranet.diversey.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), Canada (DSL).

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.

CERCLA/ SARA**SARA 311/312 Hazard Categories**

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

Canadian Regulations

Ingredient(s)	CAS #	NPRI
Ethyl alcohol	64-17-5	X

16. OTHER INFORMATION

NFPA (National Fire Protection Association)

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

Health 3

Flammability 2

Instability 0

Version Number: 2

Preparation date: 2017-01-20

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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