

MATERIAL SAFETY DATA SHEET



Virex® II 256 One-Step Disinfectant Cleaner & Deodorant (CAN)

HMIS		NFPA	Personal protective equipment
Health	3	3	
Flammability	1	1	
Physical Hazard / Instability	0	0	

Version Number: 2

Preparation date: 2014-05-19

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Virex® II 256 One-Step Disinfectant Cleaner & Deodorant (CAN)

MSDS #: MS0300585

Product Code: 3062784, 54332, 54334

Recommended use: Disinfectant Cleaner. This product is intended to be diluted prior to use.

Manufacturer, importer, supplier:

US Headquarters Diversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-1964 Phone: 1-888-352-2249 MSDS Internet Address: www.diversey.com	Canadian Headquarters Diversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-800-668-7171
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Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED. COMBUSTIBLE LIQUID AND VAPOR.

Principal routes of exposure:

Eye contact. Skin contact. Inhalation.

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:

May be irritating to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Didecyl dimethyl ammonium chloride	7173-51-5	5 - 10%	292	Not available	Not available
n-alkyl dimethyl benzyl ammonium chloride	68424-85-1	5 - 10%	304.5	Not available	Not available
Ethyl alcohol	64-17-5	1 - 5%	7060	Not available	=124.7 mg/L (4 h)
Lauryl dimethyl amine oxide	1643-20-5	0.1 - 1.5 %	2700	Not available	Not available

4. FIRST AID MEASURES

Eye contact:

Immediately flush eyes with running water for 15-20 minutes, keeping eyelids open. Get medical attention immediately.

Skin contact:

Immediately flush with plenty of water for 15-20 minutes. Get medical attention immediately.

Inhalation:

If breathing is affected, remove to fresh air. Get medical attention immediately.

Ingestion:

If swallowed, give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. 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: Use dry chemical, CO₂, water spray or "alcohol" foam.
Extinguishing media which must not be used for safety reasons: No information available.
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.
Unusual hazards: Corrosive material (See sections 8 and 10).

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.
Environmental precautions and clean-up methods: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Water runoff can cause environmental damage.

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. 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.

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Ethyl alcohol	64-17-5	1000 ppm (STEL)	1000 ppm (TWA) 1900 mg/m ³ (TWA)	1000 ppm (TWA) 1900 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Liquid Aqueous solution
Specific gravity: 1.0
Vapor density: No information available
Boiling point/range: Not determined
Decomposition temperature: Not determined
Solubility: Completely Soluble
Solubility in other solvents: No information available
Partition coefficient (n-octanol/water): No information available
Elemental Phosphorus: 0.00 % by wt.
pH: 10.2
Explosion limits: - upper: Not determined - lower: Not determined

Bulk density: No information available
Evaporation Rate: No information available
Color: Clear, Blue
Odor: Characteristic
Melting point/range: Not determined
Autoignition temperature: No information available
Density: 8.34 lbs/gal 1 Kg/L
Flash point: 187 °F 86.0 °C
Viscosity: No information available
VOC: 3.2 % *
Dilution pH: 8.8 @ 1:256

* - 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.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Corrosive. Oral LD50 estimated to be between 1000 - 2000 mg/kg. Dermal LD50 estimated to be > 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

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

12. ECOLOGICAL INFORMATION

Environmental Information: No data available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Pesticide product disposal requirements vary by package size and type. Pesticides include disinfectants and sanitizers. See product label for complete disposal instructions. Always dispose of according to all federal, state and local applicable regulations.

RCRA Hazard Class (undiluted 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: LTD. QTY.

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

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/NDSL).

Canada

WHMIS hazard class: Exempt.

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

DIN No. : 02241502

16. OTHER INFORMATION

Reason for revision:	Not applicable
Prepared by:	NAPRAC
Additional advice:	<ul style="list-style-type: none">• Does not contain an added fragrance• This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

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