

# **VIREX II 256 (US)**

HMIS NFPA		NFPA	Personal protective equipment		
Health	3	3	and South and		
Fire Hazard	1	1			
Reactivity	0	0			

Version Number: 0 Preparation date: 2011-08-03

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: VIREX II 256 (US)

MSDS #: MS0300949

Product Code: 04329, 04331, 04332, 04337, 3062637, 3062768, 5019317, 5271416, 5295291

Recommended use: Disinfectant. 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: 1-877-870-2318

MSDS Internet Address: www.diversey.com

**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
N-alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	5 - 10%	426	Not available	Not available
Didecyl dimethyl ammonium chloride	7173-51-5	5 - 10%	292	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: 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. Rinse skin immediately 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.

VIREX II 256 (US) 1 of 4

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of

water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or

doctor. Never give anything by mouth to an unconscious person.

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

**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.

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. 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: Use personal protective equipment

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

#### 7. HANDLING AND STORAGE

#### Handling:

Unusual hazards:

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 COMMERICAL 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. Chemical-resistant gloves Hand protection:

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	1000 ppm (TWA) 1900
			mg/m³ (TWA)	mg/m³ (TWA)

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid Bulk density: No information available

Appearance: Liquid Aqueous solution Evaporation Rate No information available

Specific gravity: 1.0 Color: Clear Blue Vapor density: No information available Odor: Mintv

Boiling point/range: Not determined Melting point/range: Not determined **Decomposition temperature:** Not determined Autoignition temperature: No information available

Solubility: Completely Soluble Density: 8.34 lbs/gal 1 Kg/L Solubility in other solvents: No information available Flash point: > 187 °F > 86.1 °C

VIREX II 256 (US) 2 of 4 Partition coefficient (n-octanol/water): No information available

Elemental Phosphorus: 0.00 % by wt.

**pH**: 10.2

Dilution pH: 8.8 @ 1:256

Explosion limits: - upper: Not determined - lower: Not determined

#### 10. STABILITY AND REACTIVITY

VOC: 3.1 % \*

Viscosity: No information available

Stability: The product is stable

Polymerization: Hazardous polymerization does not occur

Hazardous decomposition products: None reasonably foreseeable.

Materials to avoid: Oxidizing agents.

Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Conditions to avoid:

#### 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

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** No data available

#### **DISPOSAL CONSIDERATIONS**

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

#### Pesticide Storage:

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

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

# **Container Disposal:**

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.

#### 14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Please refer to the Diversey HazMat Library, http://naextranet.diversey.com/dot/, for up to date shipping information.

**DOT Bill of Lading Description:** UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (QUATERNARY AMMONIUM

COMPOUNDS), 8, III

IMDG Bill of Lading Description: UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (QUATERNARY AMMONIUM

COMPOUNDS), 8, III

## 15. REGULATORY INFORMATION

## International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA)

VIREX II 256 (US) 3 of 4

<sup>\* -</sup> Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## **U.S. Regulations**

EPA Reg. No.: 70627-24

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

#### **CERCLA/ SARA**

#### SARA 311/312 Hazard Categories

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

# **16. OTHER INFORMATION**

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.

VIREX II 256 (US) 4 of 4