



**VIREX II 256**

| HMIS        |   | NFPA | Personal protective equipment |
|-------------|---|------|-------------------------------|
| Health      | 3 | 3    |                               |
| Fire Hazard | 2 | 2    |                               |
| Reactivity  | 0 | 0    |                               |

Version Number: 1

Preparation date: 2008-01-16

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** VIREX II 256

**MSDS #:** 114331002

**Product Code:** 03781, 04329, 04331, 04332, 04333, 04337, 03916, 3062637, 3062768, 3364740

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

**Manufacturer, importer, supplier:**  
 US Headquarters: JohnsonDiversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-0902  
 Phone: 1-888-352-2249  
 MSDS Internet Address: www.johnsondiversevy.com  
 Canadian Headquarters: JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1  
 Phone: 1-800-668-3131

**Emergency telephone number:** 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

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

**Principle 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:** Corrosive. Causes burns to mouth, throat and stomach.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Hazardous 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%  | 84                      | Not available        | Not available         |
| Ethyl alcohol                             | 64-17-5    | 1 - 5%   | 1501                    | Not available        | =124.7 mg/L (4 h)     |
| Lauryl dimethyl amine oxide               | 1643-20-5  | 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, rinse mouth. 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.

**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.

## 5. FIRE-FIGHTING MEASURES

**Unusual hazards:** 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 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. 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. Store in a cool, dry, well ventilated area away from heat or open flame. 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 (TWA) | 1000 ppm (TWA)<br>1900 mg/m <sup>3</sup> (TWA) | 1000 ppm (TWA)<br>1900 mg/m <sup>3</sup> (TWA) |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
|--|--|
| <b>Physical State:</b> Liquid              | <b>Bulk density:</b> No information available                            |
| <b>pH:</b> 10.2                            | <b>Dilution pH:</b> 8.8 (1:256)  |
| <b>Appearance:</b> Liquid                  | <b>Vapor density:</b> No information available                           |
| <b>Color:</b> Clear Blue                   | <b>Evaporation Rate:</b> No information available                        |
| <b>Odor:</b> Minty                         | <b>Boiling point/range:</b> Not determined                               |
| <b>Specific gravity:</b> 1.0               | <b>Melting point/range:</b> Not determined                               |
| <b>Density:</b> 8.32 lbs/gal               | <b>Decomposition temperature:</b> Not determined                         |
| <b>VOC:</b> 3.1% *                         | <b>Autoignition temperature:</b> No information available                |
| <b>Flash point:</b> 187°F 86°C             | <b>Partition coefficient (n-octanol/water):</b> No information available |
| <b>Solubility:</b> completely soluble      | <b>Solubility in other solvents:</b> No information available            |
| <b>Viscosity:</b> No information available | <b>Elemental Phosphorus:</b> 0 %P  |

\* - 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.  
**Materials to avoid:** Oxidising agents.  
**Conditions to avoid:** Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Oral LD50 estimated to be between 1000 - 2000 mg/kg

## 11. TOXICOLOGICAL INFORMATION

**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

### Hazardous ingredients

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

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** No data available

## 13. DISPOSAL CONSIDERATIONS

### Waste from residues / unused products:

Handle as a Pesticide waste. Do not bury, Do not dispose of with Commercial or Household waste . PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes. 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.

## 14. TRANSPORT INFORMATION

**DOT/TDG:** Please refer to the Bill of Lading/receiving documents for up to date shipping information

## 15. REGULATORY INFORMATION

### International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), New Zealand (NZIoC), China (IECSC).

### 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

### STATE RIGHT TO KNOW

| Ingredient(s)                             | CAS #      | MARTK: | NJRTK: | PARTK: | RIRTK: |
|---|------------|--------|--------|--------|--------|
| Water                                     | 7732-18-5  | -      | -      | -      | -      |
| Ethyl alcohol                             | 64-17-5    | X      | X      | X      | X      |
| N-alkyl Dimethyl Benzyl Ammonium Chloride | 68424-85-1 | -      | -      | -      | -      |
| Didecyl dimethyl ammonium chloride        | 7173-51-5  | -      | -      | -      | -      |
| Tetrasodium salt of EDTA                  | 64-02-8    | -      | -      | -      | -      |

### CERCLA/ SARA

#### SARA 311/312 Hazard Categories

**Immediate:** X  
**Delayed:** -  
**Fire:** X  
**Reactivity:** -  
**Sudden Release of Pressure:** -

### Canada

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

## 16. OTHER INFORMATION

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** None

## 16. OTHER INFORMATION

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