

# MATERIAL SAFETY DATA SHEET



## Virex II 128 One-Step Disinfectant Cleaner and Deodorant

HMIS		NFPA	Personal protective equipment		
Health	3	3	  		
Fire Hazard	0	0			
Reactivity	0	0			

Version Number: 1

Preparation date: 2005-08-23

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Virex II 128 One-Step Disinfectant Cleaner and Deodorant

**MSDS #:** 03786

**Product code:** 03786, 113785002

**Recommended use:** Industrial/Institutional. Disinfectant.

**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 IRREVERSIBLE EYE DAMAGE. CAUSES SKIN BURNS. HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN.

**Principle routes of exposure:** Inhalation. Skin. Eyes.

**Skin contact:** Corrosive. May cause permanent damage. Harmful if absorbed through skin .

**Eye contact:** Corrosive. Causes irreversible eye damage .

**Inhalation:** Harmful if inhaled. May cause irritation and corrosive effects to nose, throat and respiratory tract.

**Ingestion:** Corrosive. May cause burns to mouth, throat and stomach . Harmful if swallowed .

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
N-alkyl dimethyl benzyl ammonium chlorides	68391-01-5	1 - 5%	Not available	Not available	Not available
Didecyl dimethyl ammonium chloride	7173-51-5	1 - 5%	84 mg/kg (rat)	Not available	Not available
Ethyl alcohol	64-17-5	1 - 5%	7060 mg/kg (rat)	Not available	20 g/kg/10H (rat)

### 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

**Skin contact:** Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

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

**Ingestion:** Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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

**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:** Dry chemical, water spray, foam, carbon dioxide.

**Specific hazards:** Not applicable

**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:** Put on appropriate personal protective equipment (see Section 8.).  
**Environmental precautions and clean-up methods:** Use appropriate containment to avoid environmental contamination. 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. FOR COMMERCIAL AND INDUSTRIAL USE ONLY

**Storage:**

Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing . Keep out of the 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. neoprene gloves.  
**Skin and body protection:** Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.  
**Respiratory protection:** If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure . 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	CAS #	ACGIH	OSHA	Mexico
Ethyl alcohol	64-17-5	1000 ppm (TWA)	1900 mg/m <sup>3</sup> 1000 ppm	1900 mg/m <sup>3</sup> (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid  
**Color:** Dark Blue  
**Odor:** Minty  
**Specific gravity:** 0.9988  
**Dilution pH:** No information available  
**Bulk density:** No information available  
**Vapor density:** No information available  
**Evaporation rate:** No information available  
**Solubility in other solvents:** No information available  
**Viscosity:** No information available  
**Partition coefficient (n-octanol/water):** No information available

**Appearance:** No information available  
**Boiling point/range:** Not determined  
**Melting point/range:** Not determined  
**pH:** 10.2  
**Density:** 1.001  
**Decomposition temperature:** Not determined  
**Autoignition temperature:** No information available  
**Solubility:** Soluble  
**VOC:** 0.1 %  
**Flash point:** >200 (°F) >93.3 (°C)

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable.  
**Polymerization:** Hazardous polymerisation does not occur.  
**Hazardous decomposition products:** May form an acid mist.  
**Materials to avoid:** Incompatible with acids.  
**Conditions to avoid:** Do not freeze.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** Corrosive , LD50 estimated to be between 200 - 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

**HAZARDOUS COMPONENTS**

Ingredient	CAS #	NTP	IARC	OSHA
Ethyl alcohol	64-17-5	Listed.		

**12. ECOLOGICAL INFORMATION**

Environmental Information: When used for its intended purpose this product should not cause adverse effects in the environment

**13. DISPOSAL CONSIDERATIONS**

**Waste from residues / unused products:**

PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes .

**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).

**U.S. Regulations**

EPA Reg. No. : 70627-21

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

**STATE RIGHT TO KNOW**

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Water	7732-18-5	-	-	-	-	-	-
N-alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	-	-	-	-	-	-
Didecyl dimethyl ammonium chloride	7173-51-5	-	-	-	-	-	-
Ethyl alcohol	64-17-5	Listed	Listed	Listed	Listed	Listed	Listed

**CERCLA / SARA**

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Ethyl alcohol	64-17-5	1 - 5%	100		

**SARA 311/312 Hazard Categories**

Immediate: Y  
Delayed: N  
Fire: N  
Reactivity: N  
Sudden Release of Pressure: N

**Canada**

WHMIS hazard class: Not for sale in Canada .

**16. OTHER INFORMATION**

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

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.