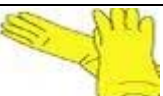


MATERIAL SAFETY DATA SHEET



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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 #: 113785X

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.johnsondiversey.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

Use appropriate containment to avoid environmental contamination. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

and clean-up methods:

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. Handle in accordance with good industrial hygiene and safety practice

Hygiene measures:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: No information available

Color: Dark Blue

Boiling point/range: Not determined

Odor: Minty

Melting point/range: Not determined

Specific gravity: 0.9988

pH: 10.2

Dilution pH: No information available

Density: 1.001

Bulk density: No information available

Decomposition temperature: Not determined

Vapor density: No information available

Autoignition temperature: No information available

Evaporation rate: No information available

Solubility: Soluble

Solubility in other solvents: No information available

VOC: 0.1 %

Viscosity: No information available

Flash point: >200 (°F) >93.3 (°C)

Partition coefficient (n-octanol/water): No information available

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

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