

**S.C. JOHNSON WAX
COMMERCIAL MARKETS**

**VIREX II/128
One Step Germicidal Cleaner and Deodorant**

**Pseudomonacidal Staphylocidal Salmonellacidal
Fungicidal *Virucidal**

ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride.....4.352%
n-Alkyl [C14 50%, C12 40%, C16 10%] dimethyl
benzyl ammonium chloride.....4.095%
INERT INGREDIENTS.....91.553%

KEEP OUT OF REACH OF CHILDREN

DANGER

See back label for additional precautionary statements.

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

DEC 27 1990

Under the provisions of the Federal
Pesticide Control Act, this product has
been approved for registration under
the provisions of the Act.

4822-357

Virex II/128 is a germicidal cleaner and deodorant that is effective in hard water up to 400 ppm (calculated as CaCO₃) plus 5% organic blood serum. Virex II/128 is labor saving providing broad spectrum disinfection, mold and mildew control, and odor elimination with mild cleaning.

Virex II/128 is recommended for use in hospitals, nursing homes, schools and colleges, veterinary clinics, animal life science laboratories, and hotels on non-food contact surfaces.

Virex II/128 is specially formulated to be non-dulling to floor finishes. Virex II/128 eliminates the time and labor normally required for rinsing.

Virex II/128 is bactericidal at 1:128 (1 ounce per gallon) against *Pseudomonas aeruginosa* ATCC# 15442, *Staphylococcus aureus* ATCC# 6538, and *Salmonella choleraesuis* ATCC# 10708 according to the AOAC Use Dilution Test Method modified in the presence of 400 ppm synthetic hard water (calculated as CaCO₃) plus 5% organic serum. (See reference sheet for complete list of pathogenic organisms).

Virex II/128 is fungicidal against *Tricophyton mentagrophytes* ATCC #9533, *Candida albicans* ATCC# 10231 and *Aspergillus niger* ATCC# 6275 according to the AOAC Use Dilution Test, modified in the presence of 400 ppm hard water (calculated as CaCO₃) plus 5% organic serum at a 1:128 dilution.

Virex II/128 is virucidal against *HIV-1 (AIDS virus), Influenza A₂/J305 ATCC# VR-100, Herpes Simplex Type I ATCC# VR-735, Herpes Simplex Type 2 ATCC# VR-734, and Adenovirus Type 2 ATCC# VR-2 according to the virucidal qualification test, modified in the presence of 400 ppm hard water (calculated as CaCO₃) plus 5% organic serum at a 1:128 dilution.

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

GENERAL USE DIRECTIONS FOR DISINFECTING:

For use on hard inanimate non-porous surfaces such as floors, walls, metal surfaces, porcelain, and plastic surfaces. Remove gross filth and heavy soil deposits then thoroughly wet surfaces as required. Use 1 ounce per gallon of water for a minimum contact time of 10 minutes in a single application. Can be applied with a mop, sponge, or cloth as well as spraying or soaking. The recommended use solution is prepared fresh for each use then discarded. Rinsing is not necessary unless floors are to be waxed or polished. Prepare a fresh solution daily or when use solution becomes visibly dirty.

*See accompanying literature regarding HIV-1 (AIDS virus).

ACCEPTED
with COMMENTS
by EPA 12-27-90

DEC 27 1990

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended for the pesticide
signature under EPA Act No.

4122-557

Statement of Practical Treatment

In inhaled: remove to fresh air and ventilate treated area. If symptoms persist, call a physician. If on skin: immediately flush with plenty of water. If in eyes: immediately rinse with plenty of water for 15 minutes and call a physician. If swallowed: drink one glass of water and get medical attention. Do not induce vomiting. Note to Physician: Probable mucosal damage may contraindicate gastric lavage.

Precautionary Statements

Hazards to Humans and Domestic Animals

May be fatal if inhaled. Do not breathe mist. Corrosive: causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Storage and Disposal Prohibitions

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes can not 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.

Container Disposal

Plastic Containers

Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration or if allowed, by state and local authorities, by burning. If burned, stay out of smoke.

Fiber Drums with Liners

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration, if allowed by state and local authorities. If drum is contaminated and can not be reused, dispose of in the same manner.

Metal Containers

Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

General

Consult federal, state, or local disposal authorities for approval of alternative procedures such as limited open burning.

ACCEPTED
with
In RIA

DEC 27 1990

Under the Federal Insecticide
Fungicide, and Rodenticide Act
as amended by the Federal
Registration Act (FIFRA Act), No.

4822-357

REFERENCE SHEET

VIREX II/128
ONE STEP GERMICIDAL CLEANER AND DEODORANT

VIREX II/128 is a germicidal cleaner and deodorant that is effective in hard water up to 400 ppm (calculated as CaCO₃) plus 5% organic blood serum. Virex II/128 is labor saving providing broad spectrum disinfection, mold and mildew control, and odor elimination with mild cleaning

Effective against the following pathogenic bacteria according to the AOAC Use Dilution Test, current edition, modified in the presence of 400 ppm synthetic hard water (calculated as CaCO₃) plus 5% organic serum:

Staphylococcus aureus ATCC# 6538	Proteus vulgaris ATCC# 13315
Salmonella choleraesuis ATCC# 10708	Salmonella typhi ATCC# 6539
Pseudomonas aeruginosa ATCC# 15442	Serratia marcescens ATCC# 14756
Klebsiella pneumoniae ATCC# 4352	Streptococcus pyogenes ATCC# 9342
Streptococcus faecalis PI #523(1) (clinical isolate)	Staphylococcus aureus SCJ #225 (2) (clinical isolate)
Salmonella pullorum PI #3751(1)	Streptococcus agalactiae PI #517 (1)
Proteus mirabilis PI #366(1)	Salmonella enteritidis ATCC# 13076
Escherichia coli (4) (clinical isolate)	Salmonella enteritidis E40 (4) (clinical isolate)
Listeria monocytogenes 20A OHIO(4) (clinical isolate)	Staphylococcus aureus SCJ #226 (3) (methicillin resistant)

Fungicidal testing against Trichophyton metagrophytes ATCC# 9533, Candida albicans ATCC# 10231, and Aspergillus niger ATCC# 6275 according to the AOAC Use Dilution test, current edition, modified in the presence of 400 ppm hard water (calculated as CaCO₃) plus 5% organic serum.

Virucidal against *HIV-1 (AIDS virus), Adenovirus type 2 ATCC# VR-2, Herpes Simplex type I ATCC# VR-735, Herpes Simplex 2 ATCC# VR-734, and Influenza A₂/J305 ATCC# VR-100 according to the Virucidal Qualification test, modified in the presence of 400 ppm hard water (calculated as CaCO₃) plus 5% organic serum.

* See accompanying literature regarding HIV-1 (AIDS virus)

- (1) Presque Isle Associates
- (2) St. Mary's Hospital, Racine, Wisconsin
- (3) Park West Hospital, Knoxville, Tennessee
- (4) Food Research Institute, Madison, Wisconsin

Note: Organisms followed by a number in parenthesis represent clinical isolates.

RECEIVED
DEC 27 1990

Under the provisions of the
Fungicide, Insecticide and
as approved by the
4822-357

VIREX II/128

* Kills HIV-1 (AIDS virus) on precleaned environmental surfaces/objects previously soiled with blood/body fluids in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus type 1 (HIV-1) (associated with AIDS).

Special instructions for cleaning and decontamination against HIV-1 (AIDS virus) of surfaces/objects soiled with blood/body fluids.

PERSONAL PROTECTION: Disposable latex or vinyl gloves, gowns, face masks, or eye coverings as appropriate, must be worn during all cleaning of body fluids, blood, and decontamination procedures.

CLEANING PROCEDURES: Blood and body fluids must be thoroughly cleaned from surfaces and objects before application of disinfectant.

CONTACT TIME: HIV-1 (AIDS virus) is inactivated after one (1) minute contact time. Use a ten (10) minute contact time for disinfection against all other bacteria, fungi, and viruses listed on labeling.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids should be autoclaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

ACCEPTED
with COMMENTS
in EPA 201-100-100

DEC 27 1990

Under the provisions of the
Federal Insecticide, Fungicide,
and Rodenticide Act, this product
is registered under EPA Reg. No.

4822-337

REGISTRATION NO. 4822-

EPA Est. No. 4822-WI-1

Net Contents 1, 5, or 55 gallons

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ACCEPTED
WITH COMPLIANCE
IN REPLY

DEC 27 1990

Under the provisions of the
Federal Insecticide, Fungicide,
and Rodenticide Act, this
product is registered under the
name

4822-557