

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC 23 1982

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

43553-11



**CH<sub>2</sub>O, inc.**

**IVR-SAN M170**

Disinfectant • Cleaner • Sanitizer • Fungicide • Mildewstat • Virucide • Deodorizer  
for Hospitals, Institutional and Industrial Use

Effective in hard water up to 400 ppm hardness (calculated as CaCO<sub>3</sub>) in the presence of  
serum contamination

**Active Ingredients**

Octyl Decyl Dimethyl Ammonium Chloride	3.255%
Dioctyl Dimethyl Ammonium Chloride	1.628%
Didecyl Dimethyl Ammonium Chloride	1.628%
Alkyl (C14, 50% C12, 40% C16, 10%) Dimethyl Benzyl Ammonium Chloride	4.340%

**Inert Ingredients**

89.149%  
100.00%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

**Statement of Practical Treatment**

In case of contact immediately flush eyes or skin with plenty of water for at least 15 min.  
For eyes, call a physician. Remove and wash contaminated clothing before reuse.  
If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or fruit  
juice if not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT**

**EPA Registration No.**

43553-11

**EPA Establishment No.**

43553-WAO1

**Net Contents**

MANUFACTURED BY

CH<sub>2</sub>O, INC. • 301 W. LEE • TUMWATER, WA 98501  
P.O. BOX 1190 • OLYMPIA, WA 98507

Only for Sale to, Use, and Storage by Servicepersons.  
(206) 943-6063 TOLL FREE IN WASHINGTON 1-800-562-6134

IVR-SAN M170 is a one-step disinfectant cleaner that is effective against a broad spectrum of  
bacteria, viruses, fungi, and will prevent the growth of mold and mildew and their odors  
when used as directed.

IVR-SAN M170 is an effective one-step sanitizer cleaner for use on non-food contact surfaces.  
When used as directed, IVR-SAN M170 will deodorize surfaces in toilet areas, behind and under  
sinks and counter, garbage cans and garbage storage areas, and other places where bacterial  
growth can cause mal odors.

**Precautionary Statement**

**Hazards to Humans and domestic animals**

**DANGER**

Keep out of reach of children. Corrosive. Causes severe eye and skin damage. Do not get in eyes,  
on skin, or on clothing. Wear goggles, protective eyewear and rubber gloves when handling. Harmful or  
fatal if swallowed or absorbed through the skin. Avoid contamination of food.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.  
Measures against circulatory shock, respiratory depression, and convulsions may be needed.

**PHYSICAL AND CHEMICAL HAZARDS**

• DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME

**STORAGE AND DISPOSAL**

• DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.  
• OPEN DUMPING IS PROHIBITED • DO NOT REUSE EMPTY CONTAINER

**PESTICIDE DISPOSAL**

Empty spray mixture or residue that cannot be used or chemically reprocessed should  
be disposed of in a landfill approved for pesticides or buried in a safe place away from  
water sources.

**CONTAINER DISPOSAL**

Empty containers should be emptied and disposed in a incinerator or landfill approved for pesti-  
cide containers. Do not reuse in a safe place.

**GENERAL**

For more information, contact your local health department or the nearest state health department.

DESCRIPTION OF PRODUCT AVAILABLE

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with COMMENTS  
In EPA Letter Dated:

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Under the Federal Insecticide,  
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Directions for Use

**GENERAL CLASSIFICATION**

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

**IVR-SAN M170** is a proven, one-step, disinfectant-cleaner-sanitizer-fungicide-mildewstat-virucide which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply **IVR-SAN M170** to walls, floors and other hard (non-metal, non-porous) surfaces such as tables, chairs, counter-tops, sinks, tile, porcelain, and bedframes with a cloth, mop or mechanical spray device to thoroughly wet surfaces. For heavily soiled areas a preliminary cleaning is required. Prepare a fresh solution daily or when used solution becomes visibly dirty. Treated surfaces must remain wet for 10 minutes.

**Disinfection** - To disinfect hard, non-porous surfaces, add 1 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At this use-level, **IVR-SAN M170** is also virucidal, fungicidal, and fungistatic.

**Sanitizing** - To sanitize porous and non-porous, non-food contact surfaces, add 1/2 oz. per 5 gallons of water. Treated surfaces must remain wet for 60 seconds.

**1 oz. per gallon use-level** - The broad spectrum activity of **IVR-SAN M170** has been evaluated and found to be effective against the following organisms by the AOAC Use-Dilution Test:

<i>Pseudomonas aeruginosa</i>	<i>Streptococcus pyogenes</i>	<i>Streptococcus faecalis</i>
<i>Staphylococcus aureus</i>	<i>Klebsiella pneumoniae</i>	<i>Shigella dysenteriae</i>
<i>Salmonella typhi</i>	<i>Salmonella choleraesuis</i>	<i>Enterobacter aerogenes</i>
<i>Escherichia coli</i>	<i>Salmonella schottmulleri</i>	<i>Swainsona protergens</i>

**AOAC Fungicidal Test** - **IVR-SAN M170** is an effective fungicide against both saprophytic and phytopathogenic fungi (the plant disease fungi). When used on surfaces in areas such as locker rooms, dressing rooms, showers and bath areas, exercise facilities, etc.

**Mold and Mildew Control** - At 1 oz. per gallon, **IVR-SAN M170** will effectively inhibit the growth of mold and mildew and prevent it caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). A fresh solution should be used and repeat when mildew growth returns.

**Virucidal Performance** - At 1 oz. per gallon use-level, **IVR-SAN M170** was evaluated and found to be effective against Influenza A/Brazil Virus on non-metal environmental surfaces.

**Sanitizing Non-Food Contact Surfaces (such as floors, walls, tables, etc.)** - At 1/2 oz. per 5 gallons use-level, **IVR-SAN M170** is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on both porous and non-porous environmental surfaces.

Distilled Water 100%

**CH<sub>2</sub>O, inc.**

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for Hospitals, Institutional and Industrial Use  
• In hard water up to 400 ppm hardness (calculated as CaCO<sub>3</sub>) in the presence of 5% serum contamination

Ingredients

Quaternary Dimethyl Ammonium Chloride	3.255%
Dimethyl Ammonium Chloride	1.628%
Dimethyl Ammonium Chloride	1.628%
(A, 50%; C12, 40%; C16, 10%)	
Quaternary Benzyl Ammonium Chloride	4.340%
<u>Ingredients</u>	<u>89.149%</u>
	100.00%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

**Statement of Practical Treatment**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Call a physician. Remove and wash contaminated clothing before reuse. In case of ingestion, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

Registration No. 43553-11

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Manufacturers

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