

pm 31

**For Disinfecting in Schools, Institutions, and Industries:** Add one ounce per gallon of water.

At one ounce per gallon use level, GERMA SEP delivers excellent cleaning and is germicidal. It is effective against *Staphylococcus aureus*, *Salmonella choleraesuis*, *Escherichia coli*, and *Trichophyton interdigitale*, the athlete's foot fungus. The same AOAC tests used above to confirm similar performance for hospitals were used.

**For sanitizing and cleaning of food contact surfaces:** Add one half ounce GERMA SEP per gallon of water.

Rinse empty container with water before discarding.

**WARNING**

Keep out of reach of children. May cause severe eye irritation or eye damage. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid contamination of food.

**FIRST AID**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink promptly a large quantity of water. Avoid alcohol. Call a physician immediately.

**Interchem inc.**

3516 N. 14th St. St. Louis, Missouri 63107

# Germa-Sep

Cleaner - Disinfectant - Deodorizer - Virucide\*  
Sanitizer for Hospital and Institutional Use

**Active Ingredients**

Didecyl dimethyl ammonium chloride 4.5%

**Inert Ingredients**

35.5%  
100.0%

Inert ingredients include surfactants, alkaline builders, chelating agents and water.

EPA Registration No.  
EPA EST.  
Net Contents

33431-1  
33431-MO-1

**WARNING**

KEEP OUT OF REACH OF CHILDREN.

(See left panel for first aid and additional precautionary statements.)

**USE DIRECTIONS**

Apply GERMA SEP to walls, floors and other hard surfaces such as tables, chairs and bed frames with a cloth or mop. For heavily soiled areas, a preliminary cleaning may be required.

**For Hospitals & Nursing Homes:** Add two ounces per gallon of water.

At two ounces per gallon use level, GERMA SEP is effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella choleraesuis*, *Escherichia coli*, and pathogenic fungi. Germicidal performance against the first four organisms has been confirmed by the AOAC Use Dilution Test. Fungicidal performance was determined against *T. interdigitale* by the AOAC Fungicidal Test.

At 2 ounces per gallon the broad spectrum effectiveness of GERMA SEP is shown by its germicidal action against the following additional organisms:

- Brevibacterium ammoniagenes*
- Enterobacter aerogenes*
- Proteus mirabilis*
- Streptococcus pyogenes*
- Klebsiella pneumoniae*
- Salmonella schottmuelleri*
- Streptococcus faecalis*
- Shigella dysenteriae*

\*At two ounces per gallon use level, GERMA SEP is virucidal against Herpes Simplex (a member of the virus family that causes infectious mononucleosis), vaccinia (representative of the pox viruses), adenovirus Type 5 (a causative virus in respiratory diseases), and influenza A<sub>2</sub> as represented by the strains commonly called the Hong Kong Flu and the London Flu Virus, on inanimate environmental surfaces.

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

10/87

33431-1

143

**BEST AVAILABLE COPY**

In Accordance with the provisions of 40 CFR 161.25

InterChem, Inc.  
3516 North 14th Street  
St. Louis, MO 63107

DEC 16 1988

Attention: N.W. Glassbrenner

Gentlemen:

Subject: GERMA-Sep  
EPA Registration No. 33431-1  
Your Submission Dated November 24, 1987  
EPA Received Date November 24, 1987


The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you submit five (5) copies of your final printed labeling before you release the product for shipment.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of this condition.

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Karen Leavy at (703) 557-3966.

Sincerely yours,

John H. Lee   
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (TS-767C)

Enclosure

50351:I:Leavy:L-15:KENC0:11/23/88:1/6/89:EK:JH:AS

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

3 of 3

33431-1

pm 31

For Disinfecting in Schools, Institutions, and Industries: Add one ounce per gallon of water

At one ounce per gallon use-level, GERMA-SEP delivers excellent cleaning and is germicidal. It is effective against Staphylococcus aureus, Salmonella choleraesuis Escherichia coli, and Trichophyton interdigitale, the athlete's foot fungus. The same AOAC tests used above to confirm suitable performance for hospitals were used

For sanitizing and cleaning of nonfood contact surfaces: Add one-half ounce GERMA-SEP per gallon of water.

Rinse empty container with water before discarding.

**WARNING**

Keep out of reach of children. May cause severe eye irritation or eye damage. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid contamination of food.

**FIRST AID**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink promptly a large quantity of water. Avoid alcohol. Call a physician immediately

**Interchem inc.**

3516 N. 14th St., St. Louis, Missouri 63107

# Germa-Sep

Cleaner - Disinfectant - Deodorizer - Virucide\*  
Sanitizer for Hospital and Institutional Use

**Active Ingredients**

Didecyl dimethyl ammonium chloride 4.5%

**Inert Ingredients**

95.5%  
100.0%

Inert ingredients include surfactants, alkaline builders, chelating agents and water.

EPA Registration No. 33431-1  
EPA EST. 33431-MO-1  
Net Contents:

**WARNING**

**KEEP OUT OF REACH OF CHILDREN.**

(See left panel for first aid and additional precautionary statements)

Apply GERMA-SEP to surfaces such as cloth or mop cleaning may be required.

For Hospitals: Add one ounce per gallon of water.

At two ounces per gallon use-level, GERMA-SEP is effective against Staphylococcus aureus, Escherichia coli, and Pseudomonas aeruginosa. The AOAC Use-Dilution Test was determined to be effective against Fungicidal Test.

At 2 ounces per gallon use-level, GERMA-SEP is effective against the following:

- Brucella
- Escherichia coli
- Proteus
- Staphylococcus aureus
- Salmonella choleraesuis
- Staphylococcus epidermidis
- Shigella

\*At two ounces per gallon use-level, GERMA-SEP is virucidal against the following: Adenovirus, Herpesvirus, Influenza virus, Poliovirus, Rotavirus, Vaccinia (reproduction-defective), and Influenza virus Type 5. Influenza virus, commonly called the "flu" virus, is not a virus, but a bacterium.

It is a violation of the Federal Insecticide, Fungicide, and Rodenticide Act to use this product in a manner inconsistent with the label.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC 16 1988

**BEST AVAILABLE**

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

33431-1