

This product is an effective "one-step" cleaner-bactericide-fungicide-virucide which is effective in water up to 400 ppm hardness, plus 5% organic soil (5% blood serum).

This product is a phosphate free concentrated detergent/disinfectant which provides effective cleaning, deodorizing, disinfection, and sanitization. This detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination.

This product when diluted at the rate of 1/2 ounce per gallon of water is an effective disinfectant against the organism *Pseudomonas aeruginosa* and meets all requirements for hospital use. When used as directed, this product is formulated to disinfect inanimate hard surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones and bed frames. For larger areas such as operating rooms, patient care facilities and restrooms, the product is designed to provide both general cleaning and disinfecting.

In addition, this product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls and any other areas which are prone to odors caused by microorganisms.

DISINFECTION - At 1/2 ounce per gallon dilution, this product exhibits effective disinfectant activity against the following:

<i>Pseudomonas aeruginosa</i> PRD-10	<i>Brevibacterium ammoniagenes</i>
<i>Escherichia coli</i>	<i>Streptococcus faecalis</i>
<i>Klebsiella pneumoniae</i>	<i>Shigella dysenteriae</i>
<i>Salmonella schultzei</i>	<i>Enterobacter aerogenes</i>
<i>Salmonella choleraesuis</i>	<i>Staphylococcus aureus</i>
<i>Streptococcus salivarius</i>	

At this level the product is also fungicidal against the pathogenic fungi trichophyton mentagrophytes.

VIRUCIDAL* ACTIVITY: The product when used on environmental inanimate hard surfaces at 1/2 ounce per gallon of water exhibits effective virucidal* activity against Influenza A2 - Asian (representative of the common flu virus) and Herpes Simplex Type 2 (causative agent of genitalia infections).

Efficacy tests have demonstrated that this product is an effective bactericide, fungicide and virucide* in the presence of 400 ppm hard water and 5% organic soil (5% blood serum).

MOLD and MILDEWSTAT - Controls mold and mildew and the odors they cause on hard non-porous inanimate surfaces.

SANITIZATION - When used for sanitization of previously cleaned food equipment or food contact items limit active quaternaries to 200 ppm. A potable water rinse is required. It is an effective sanitizer when diluted in water up to 700 ppm hardness (CaCO₃).

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL

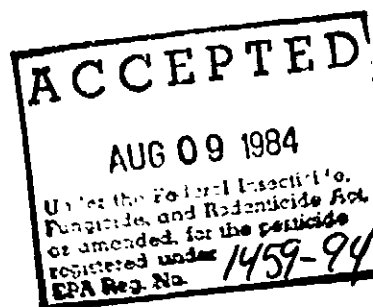
• OPEN DUMPING IS PROHIBITED • DO NOT REUSE EMPTY CONTAINER

PESTICIDE DISPOSAL - Pesticides that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide.

CONTAINER DISPOSAL - Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers.

EPA Reg. No. 1459-94

EPA Est. No. 1459-PA-01



HI-SEPT 400

CLEANER, DETERGENT, DEODORIZER SANITIZER, DISINFECTANT, VIRUCIDE* MILDEWSTAT AND FUNGICIDE

(on hard inanimate surfaces)

(against pathogenic fungi)

EFFECTIVE IN HARD WATER UP TO 400 PPM HARDNESS (CALCULATED AS CaCO₃) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM)

ACTIVE INGREDIENTS
n-Alkyl (60% C14 30% C16 5% C12 5% C18)
dimethyl benzyl
ammonium chlorides 6.25%
n-Alkyl (68% C12 32% C14)
dimethyl ethylbenzyl
ammonium chlorides 6.25%
INERT INGREDIENTS 87.50%
Total 100.00%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

See back panel for additional
precautionary statements

CONTENTS: 1/2 GAL. (64 FL. OZ.)

ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS

It is a violation
labeling.

This detergent
homes, schools,
institutions with

DISINFECTION -
add 1/2 ounce
cloth, or sponge
for 10 minutes.

To disinfect to
the bowl water
sure to get un-

For heavily soiled
fresh solution

MILDEWSTAT -
(such as floors)

Apply solution
completely. Use
weekly interval

SANITIZATION
surfaces, pre-rinse
water.

To sanitize in
area with 200
surfaces completely.
POTABLE WATER

To sanitize in
ppm solution
rinse thoroughly
frequently as

PRECAUTIONS

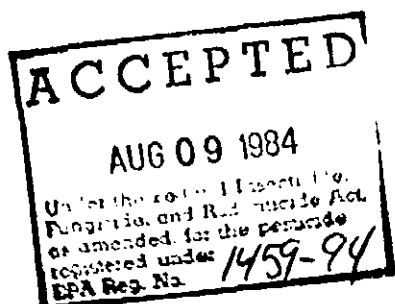
DANGER: Keep
eyes, skin or
clothing when
clothing.

STATEMENT OF
skin with plenty
wash all contact
gelatin solution
physician.

NOTE TO PHYSICIAN
lavage. Measures
may be needed.

BEST DOCUMENT AVAILABLE

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HI-SEPT 400

**CLEANER, DETERGENT, DEODORIZER
SANITIZER, DISINFECTANT, VIRUCIDE*
MILDEWSTAT AND FUNGICIDE**

(on hard inanimate surfaces)

(against pathogenic fungi)

**EFFECTIVE IN HARD WATER UP TO 400 PPM HARDNESS (CALCULATED
AS CaCO_3) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM)**

ACTIVE INGREDIENTS

n-Alkyl (60% C14 30% C16 5% C12 5% C18)	
dimethyl benzyl	
ammonium chlorides	6.25%
n-Alkyl (65% C12 32% C14)	
dimethyl ethylbenzyl	
ammonium chlorides	6.25%
INERT INGREDIENTS	87.50%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

See back panel for additional
precautionary statements

CONTENTS: 1/2 GAL. (64 FL. OZ.)

ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS

DIRECTIONS FOR USE — General Classification

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

This detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants, food service establishments and other institutions where housekeeping is of prime importance.

DISINFECTION - To disinfect hard inanimate surfaces (such as walls, floors, table tops), add 1/2 ounce detergent/disinfectant per gallon of water. Apply solution with mop, cloth, or sponge or mechanical sprayer so as to wet thoroughly. Allow to remain wet for 10 minutes and then let air dry.

To disinfect toilet bowls, flush toilet, add 1/2 ounce detergent/disinfectant directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

For heavily soiled areas, a pre-cleaning step is required and recommended. Prepare a fresh solution for each use.

MILDEWSTAT - To control mold and mildew on pre-cleaned, hard non-porous surfaces (such as floors, walls, table tops) add 1/2 ounce of this product per gallon of water. Apply solution with a cloth, mop, or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth reappears.

SANITIZATION - To sanitize previously cleaned and rinsed nonporous food contact surfaces, prepare 200 ppm active quaternary solution by adding 1 ounce to 5 gallons of water.

To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the area with 200 ppm solution or apply with a cloth or sponge, making sure to wet all surfaces completely for at least 60 seconds. Remove and rinse thoroughly with POTABLE WATER. Prepare a fresh solution for each use.

To sanitize mobile items (such as drinking glasses, eating utensils), immerse in 200 ppm solution for at least 60 seconds making sure to immerse completely. Remove and rinse thoroughly with POTABLE WATER. Prepare a fresh solution daily or more frequently as soil is apparent.

PRECAUTIONARY STATEMENTS • Hazard to Humans and Domestic Animals

DANGER: Keep Out of Reach of Children. Causes severe eye and skin damage. Do not get in eyes, skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

STATEMENT OF PRACTICAL TREATMENT - 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 milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician.

NOTE TO PHYSICIAN - Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

MANUFACTURED BY BULLEN CHEMICAL CO. FOLCROFT, PA 19032

BEST DOCUMENT AVAILABLE