

# DIRECTIONS FOR USE

## General Classification

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

**M154** detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, and other institutions where housekeeping is of prime importance.

**DISINFECTION:** To disinfect hard inanimate surfaces (such as walls, floors, table tops), add 1 ounce **M154** 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 ounce **M154** detergent/disinfectant directly to the bowl water. Swab the bowl completely using 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 ounce **M154** 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.

## PRECAUTIONARY STATEMENTS

Hazard to Human and Domestic Animals

### DANGER

Keep Out of Reach of Children. Causes eye and skin irritation. Do not get in eyes, skin or on clothing. Harmful if swallowed.

### 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

Probable mucosal damage may contraindicate the use of gastric lavage. Measure against circulatory shock, respiratory depression and convulsion may be needed.

ACCEPTED

JUN 11 1987

Under the Fungicide, as amended, registered under EPA Reg. No.

47748-4

## M154 detergent/disinfectant

heavy duty

hospital institutional use (M154)

CLEANER  
DETERGENT  
DEODORIZER  
GERMICIDE

MILDEWSTAT (on hard inanimate surfaces)

DISINFECTANT  
FUNGICIDE (against pathogenic fungi)  
VIRUCIDE\*

### ACTIVE INGREDIENTS:

n-Alkyl (60%C14, 30%C16, 5%C12, 5%C18)	
dimethyl benzyl ammonium chlorides	4.50%
n-Alkyl (68%C12, 32%C14)	
dimethyl ethylbenzyl ammonium chlorides	4.50%
INERT INGREDIENTS	91.00%

Total 100%

EPA REG NO. ~~45502~~ 47748-4  
EPA EST. NO.

ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS

KEEP OUT OF REACH OF CHILDREN

# DANGER

see side panels for additional precautionary and first aid statements

HGST  
CHEMICAL COMPANY  
4802 Birchtree Lane  
Temple Hills, MD 20748

**M154** is a phosphate free concentrate detergent/disinfectant which provides effective cleaning, deodorizing, disinfection, and ~~disinfection~~ **M154** detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination. **M154** when diluted at the rate of 1 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, **M154** 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, **M154** 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 ounce per gallon dilution, **M154** exhibits effective disinfectant activity against the following:

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

At this level the product is also fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes*.

**VIRUCIDAL\* ACTIVITY:** The product when used on environment inanimate hard surfaces at 1 ounce per gallon of water exhibits effective virucidal\* activity against Influenza A2/Asian (representative of the common flu virus), Herpes simplex (causative agent of fever blisters and mononucleosis), Adeno virus type 2 (causative agent of upper respiratory infections), and Vaccinia virus (representative of the pox virus group).

**EFFICACY TESTS HAVE DEMONSTRATED THAT M154 IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE\* IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM), MOLD AND MILDEWSTAT M154 prevents and controls mold and mildew and the odors they cause on hard non-porous inanimate surfaces.**

### STORAGE AND DISPOSAL

Pesticide: Discard any excess pesticide by flushing down drain with large quantity of water.  
Container: Do not reuse empty container. Rinse empty container with water and put in trash collection.

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