

DIRECTIONS FOR USE
General Classification

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

C159 Detergent Disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants and other institutions where housekeeping is of prime importance.

DISINFECTION- To disinfect hard inanimate surfaces (such as walls, floors, table tops), apply solution with mop, cloth, sponge, or mechanical sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes and then let air dry.

DILUTION RATES: General Disinfection - add 2 ounces C159 per gallon of water. Hospital Disinfection - add 3 ounces C159 per gallon of water.

To disinfect toilet bowls, flush toilet, add 2 ounces C159 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 recommended. Prepare a fresh solution for each use.

MILDEWSTAT- To control mold and mildew on hard non-porous surfaces (such as floors, walls, table tops), clean surfaces then add 2 ounces C159 per gallon of water. Apply with a cloth, mop or sponge to surfaces to be treated making sure to wet thoroughly. 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 non-porous food contact surfaces, prepare 200ppm active quaternary C159 solution by adding 4 ounces C159 to 5 gallons of water.

To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the area with 200ppm C159 solution or apply with a cloth or sponge, making sure to wet all surfaces completely for at least 60 seconds. Let air dry. Prepare a fresh solution for each use.

To sanitize mobile items (such as drinking glasses, eating utensils), immerse in 200ppm C159 solution for at least 60 seconds making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

PRECAUTIONARY STATEMENTS
Hazard to Human and Domestic Animals
WARNING

Keep Out of Reach of Children. Causes eye and skin irritation. Do not get in eyes, on skin or 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. Measures against circulatory shock, respiratory depression and convulsion may be needed.

C159 DETERGENT DISINFECTANT
HOSPITAL/INSTITUTIONAL

Cleaner	Disinfectant
Detergent	Fungicide (against
Deodorizer	Pathogenic fungi)
Sanitizer	Virucide*
Mildewstat (on hard inanimate	
surfaces)	

ACTIVE INGREDIENTS:
n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl benzyl ammonium chloride 1.600
n-Alkyl (60% C₁₄, 32% C₁₆) dimethyl ethylbenzyl ammonium chloride 1.600
INERT INGREDIENTS: 96.800
TOTAL 100.000

EPA REG. NO. 46486-59

KEEP OUT OF REACH OF CHILDREN

WARNING

See side panels for additional precautionary and first aid statements.

CINO CHEMICAL COMPANY
TEMPLE HILLS, MD 20031

NET CONTENTS:

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

C159 is a phosphate free cleaner disinfectant and sanitizer designed for general household use, schools, food processing plants, medical and hospital application where housekeeping is of prime importance in controlling the hazard of cross contamination. When used as directed, C159 is formulated to disinfect inanimate hard surfaces (such as walls, floors, sink tops, toilet bowls, tables, chairs and telephones) for large areas such as patient care facilities and restrooms. The product is designed to provide both general cleaning and disinfection.

In addition, C159 deodorizes those areas which generally are hard to keep fresh smelling, such as garbage and recycling areas, empty garbage bins and cans, toilet bowls and any other areas which are prone to odors caused by bacteria.

DISINFECTION- At 2 ounces per gallon dilution, C159 is an effective disinfectant activity against the following:

Enterobacter aerogenes	Streptococcus faecalis
Escherichia coli	Shigella dysenteriae
Klebsiella pneumoniae	Staphylococcus aureus
Salmonella schottmulleri	
Salmonella choleraesuis	

At 3 ounces per gallon dilution, C159 is an effective hospital disinfectant and demonstrates disinfectant activity against *Pseudomonas aeruginosa* in addition to the above microorganisms.

Virucidal* Activity: The product when used on environmental inanimate hard surfaces at 2 ounces per gallon of water exhibits effective virucidal* activity against Influenza A₁ - 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), Vaccinia virus (representative of the pox virus group).

Efficiency tests have demonstrated that C159 is an effective bactericide, fungicide, and virucide* in the presence of organic soil (5% blood serum).

Mold and Mildewstat- C159 prevents and controls mold and mildew and the odors they cause on hard non-porous inanimate surfaces at 2 ounces per gallon dilution.

SANITIZATION- When used for sanitization of previously cleaned food equipment or food contact items limit active quaternaries to 200ppm. At this level NO POTABLE WATER RINSE is required. C159 is an effective sanitizer when diluted in water up to 750ppm 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 or buried in a safe place.

Container Disposal- Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

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