

Cross contamination is of major housekeeping concern not only in hospitals but in all institutions, and industry. CST HI-QUAT is formulated for this problem area. It both cleans and disinfects effectively and is virucidal when used as directed. Its hard surface disinfecting action will reduce the hazard of cross-contamination from environmental surfaces.

When used as directed, CST HI-QUAT will deodorize toilet areas, behind and under sinks and counter, garbage cans and garbage storage areas, and will inhibit the growth of mold and mildew and their odors.

This product is economical to use because it is highly concentrated and should be handled with care.

Precautionary Statements
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 or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food.

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

PESTICIDE, SPRAY MIXTURE OR RINSATE 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 SUPPLIES.

CONTAINER DISPOSAL

TRIPLE RINSE (OR EQUIVALENT) AND DISPOSE IN AN INCINERATOR OR LANDFILL APPROVED FOR PESTICIDE CONTAINERS, OR BURY IN A SAFE PLACE.

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES SUCH AS LIMITED OPEN BURNING.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

DEC 23 1962

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

46912-4



CST HI-QUAT

Highly Concentrated Germicide Based on a Unique Blend of
Quaternaries with Organic Soil Load Tolerance
Disinfectant-Cleaner-Sanitizer-Fungicide-Mildewstat-Virucide*
Deodorizer for Hospitals, Institutional and Industrial Use

Active Ingredients

Octyl Decyl Dimethyl Ammonium Chloride	3.750%
Didecyl Dimethyl Ammonium Chloride	1.875%
Didecyl Dimethyl Ammonium Chloride	1.875%
Alkyl (C ₁₂ , 50%, C ₁₄ , 40%, C ₁₆ , 10%) Dimethyl Benzyl Ammonium Chloride	5.000%
Inert Ingredients	87.500%
	100.000%

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. 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 if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

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

SEE LEFT PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

EPA Registration No.
EPA Establishment No.
Net Contents

46912-4
46912-CO-1
1 Gallon

MANUFACTURED BY:

CHEMICAL SYSTEMS TECHNOLOGY INC.
DENVER, COLORADO 80239
(303) 371-9355

For sale to use and storage by maintenance personnel only

Directions for Use

GENERAL CLASSIFICATION

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. CST HI-QUAT is a proven "one-step" cleaner-disinfectant-sanitizer-fungicide-mildewstat-virucide in the presence of moderate amounts of organic soil.

Apply CST HI-QUAT to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks and bedframes with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

Disinfection—To disinfect hard, non-porous surfaces in hospitals, add 1/2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At this use-level, CST HI-QUAT is also virucidal and fungicidal.

Sanitizing—To sanitize porous or non-porous, non-food contact surfaces, add 1/4 oz. per gallon of water 1/2 oz. per gallon use-level. The broad spectrum activity of CST HI-QUAT has been evaluated in the presence of 5% serum and found to be effective against the following by the AOAC Use-Dilution test:

<i>Pseudomonas aeruginosa</i>	<i>Enterobacter aerogenes</i>
<i>Staphylococcus aureus</i>	<i>Salmonella schottmuelleri</i>
<i>Salmonella choleraesuis</i>	<i>Streptococcus faecalis</i>
<i>Escherichia coli</i>	<i>Shigella dysenteriae</i>
<i>Klebsiella pneumoniae</i>	<i>Brevibacterium ammoniagenes</i>

AOAC Fungicidal Test—CST HI-QUAT is effective against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, shower and bath areas, exercise areas, dressing rooms, etc.

Mildewstat Performance—At 1/2 oz./gallon, CST HI-QUAT will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

Virucidal Performance—At 1/2 oz. per gallon use-level, CST HI-QUAT was evaluated in the presence of 10% serum and found to be effective against the following viruses: Herpes Simplex (a member of the virus family that causes infectious mononucleosis), Vaccinia (representative of the pox viruses) and Influenza A₁ (the Hong Kong flu virus) on inanimate environmental surfaces.

Sanitizing-Non-Food Contact Surfaces (such as floors, walls, tables, etc.) At 1/2 oz. per 2 gallon use level, 30 second contact time, CST HI-QUAT is an effective sanitizing agent in waters of up to 600 ppm hardness against *Staphylococcus aureus* and *Klebsiella pneumoniae* in the presence of 5% serum on porous and non-porous environmental surfaces.