

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. **RUSSALL QUAT 70-12** 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, **RUSSALL QUAT 70-12** will deodorize toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and will inhibit the growth of mold and mildew and their odors when used as directed.

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 or fatal 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 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.

**Only for Sale to, Use, and Storage  
By Service Persons**

## RUSSALL QUAT 70-12

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%
Dioctyl Dimethyl Ammonium Chloride	1.875%
Didecyl Dimethyl Ammonium Chloride	1.875%
Alkyl (C14, 50%; C12, 40%; C10, 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 circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbiturate drug.

SEE LEFT PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

**EPA Registration No.** 34892-12

**EPA Establishment No.** 34892N.Y.01

**Net Contents**

MANUFACTURED BY:  
**RUSSALL PRODUCTS**  
2253 Light St., Bronx, N.Y. 10466

#### Directions for Use General Classification

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

**RUSSALL QUAT 70-12** is a proven "one-step" cleaner-disinfectant-sanitizer-fungicide-virucide in the presence of moderate amounts of organic soil.

Apply **RUSSALL QUAT 70-12** 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 used solution becomes visibly dirty.

**Disinfection** - to disinfect hard, non-porous surfaces, add 1/2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At this use-level, **RUSSALL QUAT 70-12** 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 **RUSSALL QUAT 70-12** has been evaluated in the presence of 5% serum and found to be effective against the following by the AOAC Use-Dilution test:

*Pseudomonas aeruginosa*  
*Staphylococcus aureus*  
*Salmonella choleraesuis*  
*Escherichia coli*  
*Klebsiella pneumoniae*  
*Enterobacter aerogenes*  
*Salmonella schottmuelleri*  
*Streptococcus faecalis*  
*Shigella dysenteriae*  
*Brevibacterium ammonigenes*

#### AOAC Fungicidal Test

**RUSSALL QUAT 70-12** is effective against Tricophyton 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.

**Mildewstatic Performance.** At 1/2 oz./gallon, **RUSSALL QUAT 70-12** 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, **RUSSALL QUAT 70-12** 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 A2 (the Hong Kong flu virus) on inanimate environmental surfaces.

**Sanitizing-Non-Food Contact Surfaces (such as floors, walls, tables, etc.)** At 1/4 oz. per 2 gallon use-level, 30 second contact time, **RUSSALL QUAT 70-12** 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.