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46899-2

**DIRECTIONS FOR USE**  
General Classification

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

**R102** has been designed specifically for hospitals, food processing plants, dairies, restaurants, bars, and other institutions where disinfection and sanitization is of prime importance.

**DISINFECTANT**-To disinfect previously cleaned hard inanimate surfaces (such as walls, floors, table tops), apply **R102** solution with mop, cloth, or sponge or mechanical sprayer so as to wet thoroughly. Allow to remain wet for 30 minutes and then let air dry.

**DILUTION RATES** - General Disinfection - add 3 ounces per 5 gallons of water. Hospital Disinfection - add 15 ounces per 5 gallons of water.

For disinfection of previously cleaned surgical instruments, barber tools and dental equipment, simply submerge instruments into solution containing 15 ounce **R102** per gallon of water for 30 minutes.

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

**DESCRIPTION**-To deodorize, apply **R102** solution as indicated under the heading "General Disinfection" above.

**MILDEWSTAIN**-To control mold and mildew on pre-cleaned, hard non-porous surfaces (such as floors, walls, table tops), add 3 ounces **R102** 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 non-porous food contact surfaces, prepare 200ppm active quaternary solution by adding 1 ounce **R102** to 5 gallons of water.

To sanitize food contact items (such as tanks, chopping blocks, counter tops), fill the area with 200ppm **R102** solution for at least 60 seconds making sure to wet all surfaces completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

To sanitize soluble items (such as drinking glasses, eating utensils), immerse in 200ppm **R102** solution for at least 60 seconds making sure to wet all surfaces 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

**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**

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

R102

AQUEOUS DISINFECTANT 108

Disinfectant  
Deodorizer

Sanitizer  
Virucide\*

**ACTIVE INGREDIENTS:**

n-Alkyl (60%)(14, 30%)(16, 5%)(12,  
5%)(18) dimethyl benzyl  
ammonium chloride.....5%  
n-Alkyl (60%)(12, 32%)(14)  
dimethyl ethylbenzyl  
ammonium chloride.....5%  
**(INERT INGREDIENTS).....90%**  
**TOTAL 100%**

EPA REG. NO.  
EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN

**DANGER**

See side panel for additional precautionary  
and practical treatment statements

RBRO CHEMICAL  
COMPANY  
TEMPLE HILLS,  
MD

NET CONTENTS

**R102** provides sanitizing, disinfecting and deodorizing in Hospitals, Food Processing Plants, Dairies, Restaurants, Bars, and other institutions. When used as recommended, it is effective as a sanitizer against *Escherichia coli* and *Staphylococcus aureus*; and as a disinfectant against *Staphylococcus aureus*, *Salmonella choleraesuis* and *Pseudomonas aeruginosa*. **R102** is authorized under the Food Additive Amendment of the Federal Food, Drug and Cosmetic Act for use as a sanitizing solution at 200ppm active level without requiring a final potable water rinse.

**DISINFECTANT**-At 3 ounces per 5 gallon dilution, **R102** exhibits effective disinfectant activity against the organism: *Salmonella choleraesuis* and *Staphylococcus aureus*.

At 15 ounces per 5 gallons dilution, **R102** is an acceptable hospital disinfectant and demonstrates disinfectant activity against *Pseudomonas aeruginosa*.

**Virucidal Activity\***

This product when used in environmental, inanimate hard surfaces at 15 ounces per 5 gallons of water is effective against Influenza A<sub>2</sub> (representative of the flu virus), Herpes simplex (causative agent of blisters and mononucleosis), Adenovirus Type 2 (causative agent of upper respiratory infections), and Variola Virus (representative of the pox virus group).

Efficacy tests have demonstrated that **R102** is an effective bactericide, and virucide\* in the presence of organic soil (5% blood serum).

**DEODORIZATION**- **R102** deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, pet areas and any other areas which are prone to odors caused by microorganisms.

**Mold and Mildewstain**- **R102** prevents and 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 200ppm. At this level **NO POTABLE WATER RINSE** is required.

**R102** is an effective sanitizer when diluted in water up to 750ppm hardness (CaCl<sub>2</sub>).

**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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