

1/ 5277-3 512-31

**MAGNA Q-21** is a Quarternary ammonium formula with a wide range of germicidal activities. It is effective against a broad spectrum of bacteria, and is virucidal and fungicidal, including effectiveness against many common infectious agents which are pathogenic to poultry and animals.

For disinfection, virucidal, and fungicidal activity, the recommended dilution is 1:128 (one ounce of **MAGNA Q-21** to one gallon of water). For sanitizing against bacteria on non-food contact surfaces, the recommended dilution is 1:700 (one ounce of **MAGNA Q-21** to 5 1/2 gallons of water).

Cross contamination in hatcheries, poultry and animal facilities is a major problem.

**MAGNA Q-21** is a one-step disinfectant-cleaner-sanitizer that is effective against a broad spectrum of bacteria, is virucidal, fungicidal against pathogenic fungi, and will prevent the growth of mold and mildew and their odors when used as directed.

Precautionary Statements  
Hazard to Humans  
and Domestic Animals

**DANGER**

Keep Out of Reach of Children. Corrosive. Causes 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 or absorbed through skin. Avoid contamination of food.

**Storage and Disposal**

- Do not contaminate water, food, or feed by storage or disposal.
- Do not store on side.
- Avoid creasing or impacting of side walls.

**PESTICIDE DISPOSAL**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

**CONTAINER DISPOSAL**

Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

Made in the USA

# MAGNA Q-21

Disinfectant-Cleaner-Sanitizer-Fungicide  
Mildewstat-Virucide\*-Deodorizer

for

Hatcheries, Poultry and Animal Facilities

**Active Ingredients**

Octyl Decyl Dimethyl Ammonium Chloride	3.255%
Dioctyl Dimethyl Ammonium Chloride	1.628%
Didecyl Dimethyl Ammonium Chloride	1.628%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride	4.340%

**Inert Ingredients**

89.149%  
100.000%

**ACCEPTED**  
OCT 16 1987  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 5277-3

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, respiratory depression, and convulsions may be needed.

**SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

**EPA Registration No. 52779-3**

**EPA Establishment No. 52779-NC-01**

**Net Contents**



**MAGNA TECHNOLOGIES, INC.**  
102 West Dolphin Street • Siler City, N.C. 27344

Biotechnology for the Future

**DIRECTIONS FOR USE**

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

**MAGNA Q-21** is a one-step disinfectant-cleaner-sanitizer-fungicide-mildewstat-virucide which is effective in water up to 400 ppm hardness in the presence of 5% serum content.

Apply **MAGNA Q-21** to walls, floors and other hard (inanimate) non-porous surfaces such as incubators, hatches, trays, buggies, tables, chairs, counter-tops, sinks, tile, porcelain, and equipment 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, add 1 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of **MAGNA Q-21** has been evaluated in the presence of 5% serum and 400 ppm hard water by the AOAC Use Dilution test and found to be effective against a broad spectrum of Gram negative and Gram positive bacteria pathogenic to humans, poultry and animals as represented by:

<i>Pseudomonas aeruginosa</i>	<i>Staphylococcus aureus</i>
<i>Salmonella choleraesuis</i>	<i>Brevibacterium ammonigenes</i>
<i>Escherichia coli</i>	<i>Streptococcus pyogenes</i>
<i>Klebsiella pneumoniae</i>	<i>Enterobacter aerogenes</i>
<i>Salmonella schottmulleri</i>	<i>Streptococcus faecalis</i>
<i>Shigella dysenteriae</i>	<i>Serratia marcescens</i>
<i>Salmonella typhi</i>	

**Fungicide Control.** **MAGNA Q-21** is an effective fungicide against fungi pathogenic to humans, poultry and animals as represented by *Trichophyton mentagrophytes* when used on surfaces in areas such as hatcheries, incubators, egg rooms, washing rooms, etc. at 1 oz. per gallon.

**Mold and Mildew Control.** At 1 oz. per gallon, **MAGNA Q-21** 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 oz. per gallon use-level, **MAGNA Q-21** was evaluated in the presence of 5% serum and 400 ppm hard water and found to be effective against the following viruses: Influenza A/Brazil (representative of many human, poultry and animal myxoviruses), Herpes Simplex Type 1 (representative of many human, poultry and animal herpesviruses), and Vaccinia (representative of many human, poultry and animal poxviruses) on inanimate environmental surfaces.

**Sanitizing Non-Food Contact Surfaces (hard nonporous surfaces such as floors, walls, tables, etc.).** At 1 oz. per 5 1/2 gallon use-level, **MAGNA Q-21** is an effective sanitizer against many bacteria pathogenic to humans, poultry and animals as represented by *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 80 seconds.

**POULTRY AND ANIMAL PREMISES AND HATCHERY DISINFECTION**

Directions for use. The following label directions are required for poultry and animal premises and hatchery disinfectants to permit their classification as non-food use products:

1. Remove all poultry, animals and feed from premises, vehicles and enclosures.
2. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by poultry or animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Clean all surfaces with soap or detergent to remove gross filth or heavy soil and rinse thoroughly with water.
5. Saturate all surfaces with the recommended disinfecting solution for a period of 10 minutes.
6. Immerse portable equipment and small items used with poultry and animals. Ventilate buildings, coops, vehicles and other closed spaces and do not house poultry or animals or employ equipment until treatment has been absorbed, set, or dried.
7. Ventilate buildings, coops, vehicles and other closed spaces and do not house poultry or animals or employ equipment until treatment has been absorbed, set, or dried.
8. Thoroughly scrub all treated feeding and watering appliances with soap or detergent, and rinse with potable water before reuse.