

MG 4-Quat

5th Generation Quaternary Sanitizer & Disinfectant

MG 4-Quat is a food contact surface sanitizer utilizing the 5th Generation, four-chain Quat. This concentrate provides the industry standard 1 ounce per 4 gallons dilution for a 200 ppm active quaternary sanitizer, but it doesn't stop there! MG 4-Quat can be used at concentrations up to 400 ppm active quat on food contact surfaces and still maintain prior established USDA no-rinse standards. This provides a little "added insurance" under high soil load conditions. MG 4-Quat is also effective as a disinfectant, mold & mildewstat, deodorizer, as well as sanitizer. MG 4-Quat is commonly used as boot dip and doorway spray sanitizer. Consult the label for a full listing of EPA-approved uses.

- **Improved Performance in Hard Water & Under a Soil Load**
- **EPA-Approved No-Rinse with 200-400 ppm Active Quat for Food Contact Surface**
- **Increased Uses Over Previous Generation Quaternary Sanitizers**
- **Stable Foam**

Usage Directions: Apply a solution of 1 to 2 ounce(s) of this product to 4 gallons of water, (200-400 ppm active) to precleaned, hard surfaces thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by immersion. For spray applications, use a coarse, pump or trigger sprayer. Spray 6 to 8 inches from surface, rub with brush, sponge, or cloth. With spray applications cover or remove all food products. Surfaces should remain wet for at least 1 minute followed by adequate draining and air drying. Consult product label for a full listing of uses with detailed usage and dilution instructions. Test concentration of solution with QT-10 test strips or Quat Check 1000 Test Strips for higher concentrations.

Safety & Hazards



Wear Protective Eye Glasses and Chemical-Resistant Gloves While Using MG 4-Quat

Consult SDS for Further Safety Precautions

DOT Shipping Name: UN 1903, Disinfectants, Liquid, Corrosive, N.O.S., (Quaternary Ammonium Compounds), 8, PG III

Technical Information:

Appearance: Clear Liquid
Odor: None
pH: 7.5
Foam: Low Foam

Associated Products:

FCC-3, Foaming Chlorinated Detergent With Caustic & Rinse Agents
103-F, Foaming Degreaser With Caustic
Special Acid Cleaner, Heavy-Duty Acid Detergent and Descaler
Multi-Chlor, 12.5% Sodium Hypochlorite Sanitizer

MG 4-Quat

Dilution Guidelines

Usage	Dilution
Food Contact Surface	¼ - ½ Ounce : 1 Gallon (200 - 400 ppm)
Floors & Walls, Doorway Foamer	1 Ounce : 1 Gallon (800 ppm)

Titration Kit:

QT-10 and/or Quat
Check 1000, Quaternary Test Strips. See Color Chart on Test Strip Container
MRTK9000-Z, Quaternary Titration. 1 Drop = 10 ppm

Products Manufactured By:



Morgan • Gallacher, Inc.

SUPERIOR CLEANING PRODUCTS

8707 Millergrove Drive • Santa Fe Springs, CA 90670
(562) 695-1232 • FAX: (562) 699-8953

Product Selection and General Use Chart

MG 4-Quat

General Use: 5th Generation Quaternary Sanitizer & Disinfectant

MG 4-Quat is a food contact surface sanitizer utilizing the 5th Generation, four-chain Quat. This concentrate provides the industry standard 1 ounce per 4 gallons dilution for a 200 ppm active quaternary sanitizer, but it doesn't stop there! MG 4-Quat can be used at concentrations up to 400 ppm active quat on food contact surfaces and still maintain prior established USDA no-rinse standards. This provides a little "added insurance" under high soil load conditions. MG 4-Quat is also effective as a disinfectant, mold & mildewstat, deodorizer, as well as sanitizer. MG 4-Quat is commonly used as boot dip and doorway spray sanitizer. Consult the label for a full listing of EPA-approved uses.

Usage Directions: Apply a solution of 1 to 2 ounce(s) of this product to 4 gallons of water, (200-400 ppm active) to pre-cleaned, hard surfaces thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by immersion. For spray applications, use a coarse, pump or trigger sprayer. Spray 6 to 8 inches from surface, rub with brush, sponge, or cloth. With spray applications cover or remove all food products. Surfaces should remain wet for at least 1 minute followed by adequate draining and air drying. Consult product label for a full listing of uses with detailed usage and dilution instructions. Test concentration of solution with QT-10 test strips or Quat Check 1000 Test Strips for higher concentrations.

Dilution Guidelines

Usage	Dilution
Food Contact Surface	¼ - ½ Ounce : 1 Gallon (200 - 400 ppm)
Floors & Walls, Doorway Foamer	1 Ounce : 1 Gallon (800 ppm)

Safety & Hazards



Warning: Wash hands thoroughly after handling. Wear protective gloves/eye protection. Keep out of reach of children. Read label before use. Harmful if swallowed. Causes mild skin irritation. Causes eye irritation.

Product Class: Neutral

Protective Equipment Guide

A			
B			
C			
D			
E			
F			
G			
H			
I			
J			
K			
X	Ask Your Supervisor for Special Handling Instructions		

Wear Protective Eye Glasses and Chemical-Resistant Gloves While Using MG 4-Quat

Products Manufactured By:

Letter of Guarantee

MG 4-Quat

Morgan-Gallacher, Inc. guarantees the product MG 4-Quat complies with the requirements set forth by the USDA FSIS for Nonfood Compounds Category Code D2: Antimicrobial Agents Not Always Requiring A Rinse. The description of Category Code D2 Antimicrobial Agents Not Always Requiring A Rinse is as follows:

Sanitizing solutions may be used on hard non-porous food contact surfaces such as equipment and utensils without a subsequent potable water rinse provided they are formulated in compliance with CFR Title 21, Section 178.1010, and are registered with the U.S. Environmental Protection Agency. The sanitizers must be used under the following conditions:

- a) Such surfaces are thoroughly drained and any collection of liquid removed before contact with food products is made.
- b) The sanitizing solutions are used in accordance with label directions.

Sanitizing solutions described in CFR, Title 21, Section 178.1010 (b), may be used on ceilings, floors, and wall surfaces at concentration considerably higher than those described in CFR, Title 21, Section 178.1010 (c), without a potable water rinse unless such use results in residues which may contaminate food products subsequently processed. The use of antimicrobial solutions or combination cleaner-antimicrobials must be followed by a potable water rinse.

MG 4-Quat is free from undesirable microorganisms and is guaranteed safe and adequate as Category Code: D2 Antimicrobial Agents Not Always Requiring A Rinse when used as directed. This product does not intentionally contain any of the following heavy metals: antimony, arsenic, cadmium, lead, mercury, or selenium. None of the ingredients in this product are considered to be carcinogens, mutagens, teratogens, mineral acids, or odorous unless otherwise specified.

This document serves as a continuing letter of assurance and satisfies the conditions of 21 CFR Section 110.35 and the USDA Sanitation Performance Standards Compliance Guide.

Sincerely,

Original Signed By:

Ida Mariam

VP Technology & Regulatory Affairs

January 21, 2016

Date

Concentration Verification Procedure

MG 4-Quat

Procedure No: Quat1

Procedure Name: Quaternary Test Strips

Test Kit No: QT-10 and/or Quat
Check 1000

Factor: See Color Chart on Test Strip
Container

Purpose:

To estimate ppm of active quaternary ammonia sanitizer

Required Components:

- 1) QT-10 for 0-200 ppm; or
- 2) Quat Check 1000 Test Strips for 0-1000 ppm

Procedure

- 1) The temperature of the test solution should be at room temperature. (Ideally 65°F - 75°F)
- 2) The pH of the solution should be at or below 7.5
- 3) Immerse a strip of the test paper in a still bath of solution. (Solution should not be agitated or moving)
- 4) Keep the test paper immersed in the solution for ten seconds.
- 5) Match the color of the test paper with the color chart.

All of the above conditions must be adhered to. Deviations from the above conditions, such as, elevated temperatures; immersion in an agitating or moving solution, variance in immersion time; or pH of solution above 7.5 may cause erroneous results.



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Concentration Verification Log Sheet

MG 4-Quat

Procedure No: Quat1

Procedure Name: Quaternary Test Strips

Test Kit No: QT-10 and/or Quat
Check 1000

Factor: See Color Chart on Test Strip Container

[illegible]

Concentration Verification Procedure

MG 4-Quat

Procedure No: Quat2

Procedure Name: Quaternary Titration

Test Kit No: MRTK9000-Z

Factor: 1 Drop = 10 ppm

Purpose:

To measure ppm of active quaternary ammonia sanitizer

Required Components:

- 1) 10 mL Vial
- 2) Complexing Agent (MRCO3300)
- 3) Phenolphthalein Solution (MRPH1605)
- 4) Sulfuric Acid 0.5N (MRSA1590)
- 5) Toluidine Blue O Indicator (MRTB3800)
- 6) QAC DT (MRQA3500)

Procedure

- 1) Rinse vial 3 times with solution to be tested.
- 2) Fill vial to the 5 mL mark with sample.
- 3) Add 2 drops of Complexing Agent (MRCO3300). Swirl to mix.
- 4) Add 3 drops of Phenolphthalein Indicator (MRPH1605). Swirl to mix. If the solution stays colorless, go to step 5. If the solution turns pink-red, add Sulfuric Acid 0.5N (MRSA1590) drop-wise while swirling until the sample turns colorless.
- 5) Add 2 drops of Toluidine Blue O Indicator (MRTB3800) and swirl to mix. The sample will turn blue.
- 6) Add QAC DT (MRQA3500) drop-wise while swirling until the sample color changes from blue to purple-pink. Record the number of drops.
- 7) Multiply the number of drops by factor to get ppm.

MG 4-Quat

Disinfectant - Sanitizer - Mildewstat - Virucide*
With Organic Soil Tolerance For Industrial,
Dairy, Equine, Poultry/Turkey, Farm, Food
Handling and Process Areas, Federally
Inspected Meat and Poultry Plants and
for Sanitizing Ice Machines.

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride.....	3.0%
Didecyl Dimethyl Ammonium Chloride	1.5%
Diocyl Dimethyl Ammonium Chloride	1.5%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	4.0%
INERT INGREDIENTS:	90.0%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Keep Out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing MG 4-Quat into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing MG 4-Quat into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix with oxidizers, anionic soaps and detergents.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

DIRECTIONS FOR USE

It is a violation of Federal Law to use MG 4-Quat in a manner inconsistent with its labeling.

DISINFECTION PERFORMANCE IN NON-MEDICAL FACILITIES: At 3 ounces of MG 4-Quat per 5 gallons of water use level, and with a 10 minute contact time, this product is bactericidal according to the AOAC Use Dilution Test method on hard, non-porous surfaces modified in the presence of 5% organic serum against: Salmonella enterica, Staphylococcus aureus.

FOOD CONTACT SANITIZING DIRECTIONS

Before use as a sanitizer in public eating places and dairies, food products and packaging materials must be removed from the room or carefully protected. Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.

SANITIZING OF FOOD PROCESSING EQUIPMENT AND OTHER HARD NON-POROUS FOOD CONTACT SURFACES IN FOOD PROCESSING LOCATIONS, MEAT PLANTS, DAIRIES, BAKERIES, CANNERIES, BEVERAGE PLANTS, RESTAURANTS AND BARS DIRECTIONS: For sanitizing pre-cleaned food processing equipment, dairy equipment, food utensils, dishes, silverware, eating utensils, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard, non-porous food contact surfaces, apply use solution of 0.75 to 2 ounces of MG 4-Quat per 4 gallons of water (or equivalent use dilution) (150-400 ppm active) with a cloth, brush, sponge, mop, auto scrubber, mechanical spray device, coarse pump or trigger spray device or by immersion, thoroughly wetting surfaces. For spray applications, spray 6 to 8 inches from surface. Do not breathe spray. Rub with brush, sponge, or cloth. Dishes, silverware, glasses, cooking utensils, eating utensils and other similar size food processing equipment must be sanitized by immersion in a 0.75- to 2- ounces of MG 4-Quat per 4 gallons of water use solution (150-400 ppm active) (or equivalent use dilution). Surfaces must remain wet for at least one minute. Thoroughly drain all sanitized articles and then air dry. **NO POTABLE WATER RINSE IS ALLOWED** following the use of MG 4-Quat as a sanitizer on previously cleaned hard, non-porous surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications.

SANITIZING OF FOOD PROCESSING EQUIPMENT, ICE MACHINES AND OTHER HARD, NON-POROUS SURFACES IN FOOD CONTACT LOCATIONS:

For sanitizing food processing equipment, dairy equipment, refrigerated storage and display equipment and other hard, non-porous surfaces. Food contact surfaces must be thoroughly pre-flushed or pre-scraped and, when necessary, presoaked to remove gross food particles.

1. Turn off refrigeration.
2. Unit must be washed with a compatible detergent and rinsed with potable water before sanitizing.
3. Wash and rinse all surfaces thoroughly.
4. Apply a solution of 0.75 to 2 ounces MG 4-Quat per 4 gallons of water (150-400 ppm active) by mechanical spray device, coarse pump or trigger spray device, direct pouring or by recirculating through the system. Surfaces must remain wet for at least one minute.
5. Allow sanitized surfaces to adequately drain before contact with food and then air dry.
6. **NO POTABLE WATER RINSE IS ALLOWED.**
7. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.
8. Return machine to service.

FOOD CONTACT SANITIZING PERFORMANCE: At 1 ounce per 4 gallons of water (or equivalent use dilution) (200 ppm active), this product eliminates 99.999% of the following bacteria in 1 minute in 500 ppm hard water according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test: Escherichia coli, Staphylococcus aureus

FOOD CONTACT SANITIZING DILUTION GUIDE

To prepare a 150, 200, 300, or 400 ppm active solution use the following dilution table. Prepare the correct dilution rate based upon the appropriate use site.

Active Solution	1 gallon	4 gallons	10 gallons	20 gallons
150 ppm	0.19 ounces	0.75 ounces	1.92 ounces	3.84 ounces
200 ppm	¼ ounce	1.0 ounce	2 ½ ounces	5.0 ounces
300 ppm	0.375 ounces	1 ½ ounces	3 ¾ ounces	7 ½ ounces
400 ppm	½ ounce	2.0 ounces	5.0 ounces	10.0 ounces

**DOT SHIPPING NAME: UN 1903, DISINFECTANTS, LIQUID, CORROSIVE,
N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, PG III**

SHOE FOAM DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1 to 1.5 ounces of MG 4-Quat per one gallon of water (or equivalent use dilution) (800 to 1200 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 3 minutes prior to entering area. Foam area must be washed and replaced at least daily or when it appears visibly dirty.

SHOE BATH SANITIZER DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 1-ounce of MG 4-Quat per 5 gallons of water (150 ppm active) use solution for 3 minutes prior to entering area. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

ANIMAL PREMISES: Prior to use of this product, cover or remove all food and packaging material before disinfection and remove all animals and feeds from areas to be treated, animal transportation vehicles, and enclosures. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: At a 3 ounce of MG 4-Quat per 5 gallons of water use level (or equivalent use dilution) (450 ppm active) MG 4-Quat was evaluated and found to be effective in the presence of 5% blood serum and with a 10-minute contact time against the following viruses on hard, non-porous surfaces: Canine Distemper virus, Canine Coronavirus, Equine Influenza A virus, Equine Herpes Virus Type 1, Infectious Bovine Rhinotracheitis virus (IBR), Infectious Laryngotracheitis virus, Newcastle disease virus, Porcine Respiratory & Reproductive Virus (PRRSV), Porcine Rotavirus, Pseudorabies virus, Transmissible Gastroenteritis virus (TGE).

DISINFECTION/VIRUCIDE* OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS,

ANIMAL QUARTERS AND KENNELS DIRECTIONS: Use 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active) to hard, non-porous inanimate surfaces. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, coarse pump or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes. Immerse all halters and other types of hard, non-porous equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated equipment which may contact food and water with soap or detergent and rinse with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

MOLD AND MILDEW PERFORMANCE:

Aspergillus niger

MOLD AND MILDEW CONTROL: To control the growth of mold and mildew and their odors on hard, non-porous surfaces, apply use solution of 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active). Apply by cloth, sponge, mop, brush, auto scrubber, mechanical spray device coarse pump or trigger spray device to thoroughly wet all treated surfaces completely. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Saturate surfaces with use solution. Allow surface to remain wet for 10 minutes. Allow solution to dry on surface and repeat treatment every seven days or when new growth appears. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or 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. **1-5 GALLON CONTAINER DISPOSAL/**

PESTICIDE STORAGE/RESIDUE REMOVAL: Non-refillable container. Store only in original container. Do not reuse empty container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap container and put in trash or offer for recycling if available. **≥ 5 GALLON CONTAINERS: PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **CONTAINER DISPOSAL:** Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. **RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container ¼ full with water. Replace and tighten closures. Agitate vigorously or recirculate water for 30 seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times.

Revised: 10/2012

Lot No.: 1505001789

EPA Reg No.: 10324-117-9152 Net Contents: **5 Gallons**
EPA Est No.: 9152-CA-1
Morgan-Gallacher, Inc. 8707 Millergrove Drive • Santa Fe Springs, CA 90670
SUPERIOR CLEANING PRODUCTS (562) 695-1232 • FAX: (562) 699-8953

MG 4-Quat

Disinfectant - Sanitizer - Mildewstat - Virucide*
With Organic Soil Tolerance For Industrial,
Dairy, Equine, Poultry/Turkey, Farm, Food
Handling and Process Areas, Federally
Inspected Meat and Poultry Plants and
for Sanitizing Ice Machines.

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride.....	3.0%
Didecyl Dimethyl Ammonium Chloride	1.5%
Diocyl Dimethyl Ammonium Chloride	1.5%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	4.0%
INERT INGREDIENTS:	90.0%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Keep Out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing MG 4-Quat into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing MG 4-Quat into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix with oxidizers, anionic soaps and detergents.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

DIRECTIONS FOR USE

It is a violation of Federal Law to use MG 4-Quat in a manner inconsistent with its labeling.

DISINFECTION PERFORMANCE IN NON-MEDICAL FACILITIES: At 3 ounces of MG 4-Quat per 5 gallons of water use level, and with a 10 minute contact time, this product is bactericidal according to the AOAC Use Dilution Test method on hard, non-porous surfaces modified in the presence of 5% organic serum against: Salmonella enterica, Staphylococcus aureus.

FOOD CONTACT SANITIZING DIRECTIONS

Before use as a sanitizer in public eating places and dairies, food products and packaging materials must be removed from the room or carefully protected. Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.

SANITIZING OF FOOD PROCESSING EQUIPMENT AND OTHER HARD NON-POROUS FOOD CONTACT SURFACES IN FOOD PROCESSING LOCATIONS, MEAT PLANTS, DAIRIES, BAKERIES, CANNERIES, BEVERAGE PLANTS, RESTAURANTS AND BARS DIRECTIONS: For sanitizing pre-cleaned food processing equipment, dairy equipment, food utensils, dishes, silverware, eating utensils, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard, non-porous food contact surfaces, apply use solution of 0.75 to 2 ounces of MG 4-Quat per 4 gallons of water (or equivalent use dilution) (150-400 ppm active) with a cloth, brush, sponge, mop, auto scrubber, mechanical spray device, coarse pump or trigger spray device or by immersion, thoroughly wetting surfaces. For spray applications, spray 6 to 8 inches from surface. Do not breathe spray. Rub with brush, sponge, or cloth. Dishes, silverware, glasses, cooking utensils, eating utensils and other similar size food processing equipment must be sanitized by immersion in a 0.75- to 2- ounces of MG 4-Quat per 4 gallons of water use solution (150-400 ppm active) (or equivalent use dilution). Surfaces must remain wet for at least one minute. Thoroughly drain all sanitized articles and then air dry. **NO POTABLE WATER RINSE IS ALLOWED** following the use of MG 4-Quat as a sanitizer on previously cleaned hard, non-porous surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications.

SANITIZING OF FOOD PROCESSING EQUIPMENT, ICE MACHINES AND OTHER HARD, NON-POROUS SURFACES IN FOOD CONTACT LOCATIONS:

For sanitizing food processing equipment, dairy equipment, refrigerated storage and display equipment and other hard, non-porous surfaces. Food contact surfaces must be thoroughly pre-flushed or pre-scraped and, when necessary, presoaked to remove gross food particles.

1. Turn off refrigeration.
2. Unit must be washed with a compatible detergent and rinsed with potable water before sanitizing.
3. Wash and rinse all surfaces thoroughly.
4. Apply a solution of 0.75 to 2 ounces MG 4-Quat per 4 gallons of water (150-400 ppm active) by mechanical spray device, coarse pump or trigger spray device, direct pouring or by recirculating through the system. Surfaces must remain wet for at least one minute.
5. Allow sanitized surfaces to adequately drain before contact with food and then air dry.
6. **NO POTABLE WATER RINSE IS ALLOWED.**
7. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.
8. Return machine to service.

FOOD CONTACT SANITIZING PERFORMANCE: At 1 ounce per 4 gallons of water (or equivalent use dilution) (200 ppm active), this product eliminates 99.999% of the following bacteria in 1 minute in 500 ppm hard water according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test: Escherichia coli, Staphylococcus aureus

FOOD CONTACT SANITIZING DILUTION GUIDE

To prepare a 150, 200, 300, or 400 ppm active solution use the following dilution table. Prepare the correct dilution rate based upon the appropriate use site.

Active Solution	1 gallon	4 gallons	10 gallons	20 gallons
150 ppm	0.19 ounces	0.75 ounces	1.92 ounces	3.84 ounces
200 ppm	¼ ounce	1.0 ounce	2 ½ ounces	5.0 ounces
300 ppm	0.375 ounces	1 ½ ounces	3 ¾ ounces	7 ½ ounces
400 ppm	½ ounce	2.0 ounces	5.0 ounces	10.0 ounces

**DOT SHIPPING NAME: UN 1903, DISINFECTANTS, LIQUID, CORROSIVE,
N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, PG III**

SHOE FOAM DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1 to 1.5 ounces of MG 4-Quat per one gallon of water (or equivalent use dilution) (800 to 1200 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 3 minutes prior to entering area. Foam area must be washed and replaced at least daily or when it appears visibly dirty.

SHOE BATH SANITIZER DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 1-ounce of MG 4-Quat per 5 gallons of water (150 ppm active) use solution for 3 minutes prior to entering area. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

ANIMAL PREMISES: Prior to use of this product, cover or remove all food and packaging material before disinfection and remove all animals and feeds from areas to be treated, animal transportation vehicles, and enclosures. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: At a 3 ounce of MG 4-Quat per 5 gallons of water use level (or equivalent use dilution) (450 ppm active) MG 4-Quat was evaluated and found to be effective in the presence of 5% blood serum and with a 10-minute contact time against the following viruses on hard, non-porous surfaces: Canine Distemper virus, Canine Coronavirus, Equine Influenza A virus, Equine Herpes Virus Type 1, Infectious Bovine Rhinotracheitis virus (IBR), Infectious Laryngotracheitis virus, Newcastle disease virus, Porcine Respiratory & Reproductive Virus (PRRSV), Porcine Rotavirus, Pseudorabies virus, Transmissible Gastroenteritis virus (TGE).

DISINFECTION/VIRUCIDE* OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS,

ANIMAL QUARTERS AND KENNELS DIRECTIONS: Use 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active) to hard, non-porous inanimate surfaces. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, coarse pump or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes. Immerse all halters and other types of hard, non-porous equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated equipment which may contact food and water with soap or detergent and rinse with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

MOLD AND MILDEW PERFORMANCE:

Aspergillus niger

MOLD AND MILDEW CONTROL: To control the growth of mold and mildew and their odors on hard, non-porous surfaces, apply use solution of 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active). Apply by cloth, sponge, mop, brush, auto scrubber, mechanical spray device coarse pump or trigger spray device to thoroughly wet all treated surfaces completely. For spray applications, spray 6-8 inches from surface.

Do not breathe spray. Saturate surfaces with use solution. Allow surface to remain wet for 10 minutes. Allow solution to dry on surface and repeat treatment every seven days or when new growth appears. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or 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. **1-5 GALLON CONTAINER DISPOSAL/**

PESTICIDE STORAGE/RESIDUE REMOVAL: Non-refillable container. Store only in original container. Do not reuse empty container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap container and put in trash or offer for recycling if available. **≥ 5 GALLON**

CONTAINERS: PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **CONTAINER DISPOSAL:** Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. **RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container ¼ full with water. Replace and tighten closures. Agitate vigorously or recirculate water for 30 seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times.

Revised: 10/2012

Lot No.: 1505001789

EPA Reg No.: 10324-117-9152 Net Contents: **5 Gallons**
EPA Est No.: 9152-CA-1
Morgan-Gallacher, Inc. 8707 Millergrove Drive • Santa Fe Springs, CA 90670
SUPERIOR CLEANING PRODUCTS (562) 695-1232 • FAX: (562) 699-8953

MG 4-Quat

Disinfectant - Sanitizer - Mildewstat - Virucide*
With Organic Soil Tolerance For Industrial,
Dairy, Equine, Poultry/Turkey, Farm, Food
Handling and Process Areas, Federally
Inspected Meat and Poultry Plants and
for Sanitizing Ice Machines.

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride.....	3.0%
Didecyl Dimethyl Ammonium Chloride	1.5%
Diocyl Dimethyl Ammonium Chloride	1.5%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	4.0%
INERT INGREDIENTS:	90.0%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Keep Out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing MG 4-Quat into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing MG 4-Quat into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix with oxidizers, anionic soaps and detergents.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

DIRECTIONS FOR USE

It is a violation of Federal Law to use MG 4-Quat in a manner inconsistent with its labeling.

DISINFECTION PERFORMANCE IN NON-MEDICAL FACILITIES: At 3 ounces of MG 4-Quat per 5 gallons of water use level, and with a 10 minute contact time, this product is bactericidal according to the AOAC Use Dilution Test method on hard, non-porous surfaces modified in the presence of 5% organic serum against: Salmonella enterica, Staphylococcus aureus.

FOOD CONTACT SANITIZING DIRECTIONS

Before use as a sanitizer in public eating places and dairies, food products and packaging materials must be removed from the room or carefully protected. Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.

SANITIZING OF FOOD PROCESSING EQUIPMENT AND OTHER HARD NON-POROUS FOOD CONTACT SURFACES IN FOOD PROCESSING LOCATIONS, MEAT PLANTS, DAIRIES, BAKERIES, CANNERIES, BEVERAGE PLANTS, RESTAURANTS AND BARS DIRECTIONS: For sanitizing pre-cleaned food processing equipment, dairy equipment, food utensils, dishes, silverware, eating utensils, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard, non-porous food contact surfaces, apply use solution of 0.75 to 2 ounces of MG 4-Quat per 4 gallons of water (or equivalent use dilution) (150-400 ppm active) with a cloth, brush, sponge, mop, auto scrubber, mechanical spray device, coarse pump or trigger spray device or by immersion, thoroughly wetting surfaces. For spray applications, spray 6 to 8 inches from surface. Do not breathe spray. Rub with brush, sponge, or cloth. Dishes, silverware, glasses, cooking utensils, eating utensils and other similar size food processing equipment must be sanitized by immersion in a 0.75- to 2- ounces of MG 4-Quat per 4 gallons of water use solution (150-400 ppm active) (or equivalent use dilution). Surfaces must remain wet for at least one minute. Thoroughly drain all sanitized articles and then air dry. **NO POTABLE WATER RINSE IS ALLOWED** following the use of MG 4-Quat as a sanitizer on previously cleaned hard, non-porous surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications.

SANITIZING OF FOOD PROCESSING EQUIPMENT, ICE MACHINES AND OTHER HARD, NON-POROUS SURFACES IN FOOD CONTACT

LOCATIONS: For sanitizing food processing equipment, dairy equipment, refrigerated storage and display equipment and other hard, non-porous surfaces. Food contact surfaces must be thoroughly pre-flushed or pre-scraped and, when necessary, presoaked to remove gross food particles.

1. Turn off refrigeration.
2. Unit must be washed with a compatible detergent and rinsed with potable water before sanitizing.
3. Wash and rinse all surfaces thoroughly.
4. Apply a solution of 0.75 to 2 ounces MG 4-Quat per 4 gallons of water (150-400 ppm active) by mechanical spray device, coarse pump or trigger spray device, direct pouring or by recirculating through the system. Surfaces must remain wet for at least one minute.
5. Allow sanitized surfaces to adequately drain before contact with food and then air dry.
6. **NO POTABLE WATER RINSE IS ALLOWED.**
7. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.
8. Return machine to service.

FOOD CONTACT SANITIZING PERFORMANCE: At 1 ounce per 4 gallons of water (or equivalent use dilution) (200 ppm active), this product eliminates 99.999% of the following bacteria in 1 minute in 500 ppm hard water according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test: Escherichia coli, Staphylococcus aureus

FOOD CONTACT SANITIZING DILUTION GUIDE

To prepare a 150, 200, 300, or 400 ppm active solution use the following dilution table. Prepare the correct dilution rate based upon the appropriate use site.

Active Solution	1 gallon	4 gallons	10 gallons	20 gallons
150 ppm	0.19 ounces	0.75 ounces	1.92 ounces	3.84 ounces
200 ppm	¼ ounce	1.0 ounce	2 ½ ounces	5.0 ounces
300 ppm	0.375 ounces	1 ½ ounces	3 ¾ ounces	7 ½ ounces
400 ppm	½ ounce	2.0 ounces	5.0 ounces	10.0 ounces

**DOT SHIPPING NAME: UN 1903, DISINFECTANTS, LIQUID, CORROSIVE,
N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, PG III**

SHOE FOAM DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1 to 1.5 ounces of MG 4-Quat per one gallon of water (or equivalent use dilution) (800 to 1200 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 3 minutes prior to entering area. Foam area must be washed and replaced at least daily or when it appears visibly dirty.

SHOE BATH SANITIZER DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 1-ounce of MG 4-Quat per 5 gallons of water (150 ppm active) use solution for 3 minutes prior to entering area. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

ANIMAL PREMISES: Prior to use of this product, cover or remove all food and packaging material before disinfection and remove all animals and feeds from areas to be treated, animal transportation vehicles, and enclosures. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: At a 3 ounce of MG 4-Quat per 5 gallons of water use level (or equivalent use dilution) (450 ppm active) MG 4-Quat was evaluated and found to be effective in the presence of 5% blood serum and with a 10-minute contact time against the following viruses on hard, non-porous surfaces: Canine Distemper virus, Canine Coronavirus, Equine Influenza A virus, Equine Herpes Virus Type 1, Infectious Bovine Rhinotracheitis virus (IBR), Infectious Laryngotracheitis virus, Newcastle disease virus, Porcine Respiratory & Reproductive Virus (PRRSV), Porcine Rotavirus, Pseudorabies virus, Transmissible Gastroenteritis virus (TGE).

DISINFECTION/VIRUCIDE* OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS,

ANIMAL QUARTERS AND KENNELS DIRECTIONS: Use 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active) to hard, non-porous inanimate surfaces. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, coarse pump or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes. Immerse all halters and other types of hard, non-porous equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated equipment which may contact food and water with soap or detergent and rinse with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

MOLD AND MILDEW PERFORMANCE:

Aspergillus niger

MOLD AND MILDEW CONTROL: To control the growth of mold and mildew and their odors on hard, non-porous surfaces, apply use solution of 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active). Apply by cloth, sponge, mop, brush, auto scrubber, mechanical spray device coarse pump or trigger spray device to thoroughly wet all treated surfaces completely. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Saturate surfaces with use solution. Allow surface to remain wet for 10 minutes. Allow solution to dry on surface and repeat treatment every seven days or when new growth appears. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or 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. **1-5 GALLON CONTAINER DISPOSAL/**

PESTICIDE STORAGE/RESIDUE REMOVAL: Non-refillable container. Store only in original container. Do not reuse empty container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap container and put in trash or offer for recycling if available. **≥ 5 GALLON CONTAINERS: PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **CONTAINER DISPOSAL:** Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. **RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container ¼ full with water. Replace and tighten closures. Agitate vigorously or recirculate water for 30 seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times.

Revised: 10/2012

Lot No.: 1505001789

EPA Reg No.: 10324-117-9152 Net Contents: **5 Gallons**
EPA Est No.: 9152-CA-1
Morgan-Gallacher, Inc. 8707 Millergrove Drive • Santa Fe Springs, CA 90670
SUPERIOR CLEANING PRODUCTS (562) 695-1232 • FAX: (562) 699-8953

MG 4-Quat

Disinfectant - Sanitizer - Mildewstat - Virucide*
With Organic Soil Tolerance For Industrial,
Dairy, Equine, Poultry/Turkey, Farm, Food
Handling and Process Areas, Federally
Inspected Meat and Poultry Plants and
for Sanitizing Ice Machines.

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride.....	3.0%
Didecyl Dimethyl Ammonium Chloride	1.5%
Diocyl Dimethyl Ammonium Chloride	1.5%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	4.0%
INERT INGREDIENTS:	90.0%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Keep Out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing MG 4-Quat into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing MG 4-Quat into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix with oxidizers, anionic soaps and detergents.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

DIRECTIONS FOR USE

It is a violation of Federal Law to use MG 4-Quat in a manner inconsistent with its labeling.

DISINFECTION PERFORMANCE IN NON-MEDICAL FACILITIES: At 3 ounces of MG 4-Quat per 5 gallons of water use level, and with a 10 minute contact time, this product is bactericidal according to the AOAC Use Dilution Test method on hard, non-porous surfaces modified in the presence of 5% organic serum against: Salmonella enterica, Staphylococcus aureus.

FOOD CONTACT SANITIZING DIRECTIONS

Before use as a sanitizer in public eating places and dairies, food products and packaging materials must be removed from the room or carefully protected. Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.

SANITIZING OF FOOD PROCESSING EQUIPMENT AND OTHER HARD NON-POROUS FOOD CONTACT SURFACES IN FOOD PROCESSING LOCATIONS, MEAT PLANTS, DAIRIES, BAKERIES, CANNERIES, BEVERAGE PLANTS, RESTAURANTS AND BARS DIRECTIONS: For sanitizing pre-cleaned food processing equipment, dairy equipment, food utensils, dishes, silverware, eating utensils, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard, non-porous food contact surfaces, apply use solution of 0.75 to 2 ounces of MG 4-Quat per 4 gallons of water (or equivalent use dilution) (150-400 ppm active) with a cloth, brush, sponge, mop, auto scrubber, mechanical spray device, coarse pump or trigger spray device or by immersion, thoroughly wetting surfaces. For spray applications, spray 6 to 8 inches from surface. Do not breathe spray. Rub with brush, sponge, or cloth. Dishes, silverware, glasses, cooking utensils, eating utensils and other similar size food processing equipment must be sanitized by immersion in a 0.75- to 2- ounces of MG 4-Quat per 4 gallons of water use solution (150-400 ppm active) (or equivalent use dilution). Surfaces must remain wet for at least one minute. Thoroughly drain all sanitized articles and then air dry. **NO POTABLE WATER RINSE IS ALLOWED** following the use of MG 4-Quat as a sanitizer on previously cleaned hard, non-porous surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications.

SANITIZING OF FOOD PROCESSING EQUIPMENT, ICE MACHINES AND OTHER HARD, NON-POROUS SURFACES IN FOOD CONTACT LOCATIONS:

For sanitizing food processing equipment, dairy equipment, refrigerated storage and display equipment and other hard, non-porous surfaces. Food contact surfaces must be thoroughly pre-flushed or pre-scraped and, when necessary, presoaked to remove gross food particles.

1. Turn off refrigeration.
2. Unit must be washed with a compatible detergent and rinsed with potable water before sanitizing.
3. Wash and rinse all surfaces thoroughly.
4. Apply a solution of 0.75 to 2 ounces MG 4-Quat per 4 gallons of water (150-400 ppm active) by mechanical spray device, coarse pump or trigger spray device, direct pouring or by recirculating through the system. Surfaces must remain wet for at least one minute.
5. Allow sanitized surfaces to adequately drain before contact with food and then air dry.
6. **NO POTABLE WATER RINSE IS ALLOWED.**
7. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.
8. Return machine to service.

FOOD CONTACT SANITIZING PERFORMANCE: At 1 ounce per 4 gallons of water (or equivalent use dilution) (200 ppm active), this product eliminates 99.999% of the following bacteria in 1 minute in 500 ppm hard water according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test: Escherichia coli, Staphylococcus aureus

FOOD CONTACT SANITIZING DILUTION GUIDE

To prepare a 150, 200, 300, or 400 ppm active solution use the following dilution table. Prepare the correct dilution rate based upon the appropriate use site.

Active Solution	1 gallon	4 gallons	10 gallons	20 gallons
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**DOT SHIPPING NAME: UN 1903, DISINFECTANTS, LIQUID, CORROSIVE,
N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, PG III**

SHOE FOAM DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1 to 1.5 ounces of MG 4-Quat per one gallon of water (or equivalent use dilution) (800 to 1200 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 3 minutes prior to entering area. Foam area must be washed and replaced at least daily or when it appears visibly dirty.

SHOE BATH SANITIZER DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 1-ounce of MG 4-Quat per 5 gallons of water (150 ppm active) use solution for 3 minutes prior to entering area. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

ANIMAL PREMISES: Prior to use of this product, cover or remove all food and packaging material before disinfection and remove all animals and feeds from areas to be treated, animal transportation vehicles, and enclosures. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: At a 3 ounce of MG 4-Quat per 5 gallons of water use level (or equivalent use dilution) (450 ppm active) MG 4-Quat was evaluated and found to be effective in the presence of 5% blood serum and with a 10-minute contact time against the following viruses on hard, non-porous surfaces: Canine Distemper virus, Canine Coronavirus, Equine Influenza A virus, Equine Herpes Virus Type 1, Infectious Bovine Rhinotracheitis virus (IBR), Infectious Laryngotracheitis virus, Newcastle disease virus, Porcine Respiratory & Reproductive Virus (PRRSV), Porcine Rotavirus, Pseudorabies virus, Transmissible Gastroenteritis virus (TGE).

DISINFECTION/VIRUCIDE* OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS,

ANIMAL QUARTERS AND KENNELS DIRECTIONS: Use 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active) to hard, non-porous inanimate surfaces. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, coarse pump or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes. Immerse all halters and other types of hard, non-porous equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated equipment which may contact food and water with soap or detergent and rinse with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

MOLD AND MILDEW PERFORMANCE:

Aspergillus niger

MOLD AND MILDEW CONTROL: To control the growth of mold and mildew and their odors on hard, non-porous surfaces, apply use solution of 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active). Apply by cloth, sponge, mop, brush, auto scrubber, mechanical spray device coarse pump or trigger spray device to thoroughly wet all treated surfaces completely. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Saturate surfaces with use solution. Allow surface to remain wet for 10 minutes. Allow solution to dry on surface and repeat treatment every seven days or when new growth appears. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or 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. **1-5 GALLON CONTAINER DISPOSAL/**

PESTICIDE STORAGE/RESIDUE REMOVAL: Non-refillable container. Store only in original container. Do not reuse empty container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap container and put in trash or offer for recycling if available. **≥ 5 GALLON CONTAINERS: PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **CONTAINER DISPOSAL:** Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. **RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container ¼ full with water. Replace and tighten closures. Agitate vigorously or recirculate water for 30 seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times.

Revised: 10/2012

Lot No.: 1505001789

EPA Reg No.: 10324-117-9152 Net Contents: **5 Gallons**
EPA Est No.: 9152-CA-1
Morgan-Gallacher, Inc. 8707 Millergrove Drive • Santa Fe Springs, CA 90670
SUPERIOR CLEANING PRODUCTS (562) 695-1232 • FAX: (562) 699-8953

MG 4-Quat

Disinfectant - Sanitizer - Mildewstat - Virucide*
With Organic Soil Tolerance For Industrial,
Dairy, Equine, Poultry/Turkey, Farm, Food
Handling and Process Areas, Federally
Inspected Meat and Poultry Plants and
for Sanitizing Ice Machines.

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride.....	3.0%
Didecyl Dimethyl Ammonium Chloride	1.5%
Diocyl Dimethyl Ammonium Chloride	1.5%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	4.0%
INERT INGREDIENTS:	90.0%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Keep Out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing MG 4-Quat into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing MG 4-Quat into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix with oxidizers, anionic soaps and detergents.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

DIRECTIONS FOR USE

It is a violation of Federal Law to use MG 4-Quat in a manner inconsistent with its labeling.

DISINFECTION PERFORMANCE IN NON-MEDICAL FACILITIES: At 3 ounces of MG 4-Quat per 5 gallons of water use level, and with a 10 minute contact time, this product is bactericidal according to the AOAC Use Dilution Test method on hard, non-porous surfaces modified in the presence of 5% organic serum against: Salmonella enterica, Staphylococcus aureus.

FOOD CONTACT SANITIZING DIRECTIONS

Before use as a sanitizer in public eating places and dairies, food products and packaging materials must be removed from the room or carefully protected. Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.

SANITIZING OF FOOD PROCESSING EQUIPMENT AND OTHER HARD NON-POROUS FOOD CONTACT SURFACES IN FOOD PROCESSING LOCATIONS, MEAT PLANTS, DAIRIES, BAKERIES, CANNERIES, BEVERAGE PLANTS, RESTAURANTS AND BARS DIRECTIONS: For sanitizing pre-cleaned food processing equipment, dairy equipment, food utensils, dishes, silverware, eating utensils, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard, non-porous food contact surfaces, apply use solution of 0.75 to 2 ounces of MG 4-Quat per 4 gallons of water (or equivalent use dilution) (150-400 ppm active) with a cloth, brush, sponge, mop, auto scrubber, mechanical spray device, coarse pump or trigger spray device or by immersion, thoroughly wetting surfaces. For spray applications, spray 6 to 8 inches from surface. Do not breathe spray. Rub with brush, sponge, or cloth. Dishes, silverware, glasses, cooking utensils, eating utensils and other similar size food processing equipment must be sanitized by immersion in a 0.75- to 2- ounces of MG 4-Quat per 4 gallons of water use solution (150-400 ppm active) (or equivalent use dilution). Surfaces must remain wet for at least one minute. Thoroughly drain all sanitized articles and then air dry. **NO POTABLE WATER RINSE IS ALLOWED** following the use of MG 4-Quat as a sanitizer on previously cleaned hard, non-porous surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications.

SANITIZING OF FOOD PROCESSING EQUIPMENT, ICE MACHINES AND OTHER HARD, NON-POROUS SURFACES IN FOOD CONTACT LOCATIONS:

For sanitizing food processing equipment, dairy equipment, refrigerated storage and display equipment and other hard, non-porous surfaces. Food contact surfaces must be thoroughly pre-flushed or pre-scraped and, when necessary, presoaked to remove gross food particles.

1. Turn off refrigeration.
2. Unit must be washed with a compatible detergent and rinsed with potable water before sanitizing.
3. Wash and rinse all surfaces thoroughly.
4. Apply a solution of 0.75 to 2 ounces MG 4-Quat per 4 gallons of water (150-400 ppm active) by mechanical spray device, coarse pump or trigger spray device, direct pouring or by recirculating through the system. Surfaces must remain wet for at least one minute.
5. Allow sanitized surfaces to adequately drain before contact with food and then air dry.
6. **NO POTABLE WATER RINSE IS ALLOWED.**
7. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.
8. Return machine to service.

FOOD CONTACT SANITIZING PERFORMANCE: At 1 ounce per 4 gallons of water (or equivalent use dilution) (200 ppm active), this product eliminates 99.999% of the following bacteria in 1 minute in 500 ppm hard water according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test: Escherichia coli, Staphylococcus aureus

FOOD CONTACT SANITIZING DILUTION GUIDE

To prepare a 150, 200, 300, or 400 ppm active solution use the following dilution table. Prepare the correct dilution rate based upon the appropriate use site.

Active Solution	1 gallon	4 gallons	10 gallons	20 gallons
150 ppm	0.19 ounces	0.75 ounces	1.92 ounces	3.84 ounces
200 ppm	¼ ounce	1.0 ounce	2 ½ ounces	5.0 ounces
300 ppm	0.375 ounces	1 ½ ounces	3 ¾ ounces	7 ½ ounces
400 ppm	½ ounce	2.0 ounces	5.0 ounces	10.0 ounces

**DOT SHIPPING NAME: UN 1903, DISINFECTANTS, LIQUID, CORROSIVE,
N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, PG III**

SHOE FOAM DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1 to 1.5 ounces of MG 4-Quat per one gallon of water (or equivalent use dilution) (800 to 1200 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 3 minutes prior to entering area. Foam area must be washed and replaced at least daily or when it appears visibly dirty.

SHOE BATH SANITIZER DIRECTIONS

To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 1-ounce of MG 4-Quat per 5 gallons of water (150 ppm active) use solution for 3 minutes prior to entering area. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

ANIMAL PREMISES: Prior to use of this product, cover or remove all food and packaging material before disinfection and remove all animals and feeds from areas to be treated, animal transportation vehicles, and enclosures. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: At a 3 ounce of MG 4-Quat per 5 gallons of water use level (or equivalent use dilution) (450 ppm active) MG 4-Quat was evaluated and found to be effective in the presence of 5% blood serum and with a 10-minute contact time against the following viruses on hard, non-porous surfaces: Canine Distemper virus, Canine Coronavirus, Equine Influenza A virus, Equine Herpes Virus Type 1, Infectious Bovine Rhinotracheitis virus (IBR), Infectious Laryngotracheitis virus, Newcastle disease virus, Porcine Respiratory & Reproductive Virus (PRRSV), Porcine Rotavirus, Pseudorabies virus, Transmissible Gastroenteritis virus (TGE).

DISINFECTION/VIRUCIDE* OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS,

ANIMAL QUARTERS AND KENNELS DIRECTIONS: Use 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active) to hard, non-porous inanimate surfaces. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, coarse pump or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes. Immerse all halters and other types of hard, non-porous equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated equipment which may contact food and water with soap or detergent and rinse with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

MOLD AND MILDEW PERFORMANCE:

Aspergillus niger

MOLD AND MILDEW CONTROL: To control the growth of mold and mildew and their odors on hard, non-porous surfaces, apply use solution of 3 ounces of MG 4-Quat per 5 gallons of water (450 ppm active). Apply by cloth, sponge, mop, brush, auto scrubber, mechanical spray device coarse pump or trigger spray device to thoroughly wet all treated surfaces completely. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Saturate surfaces with use solution. Allow surface to remain wet for 10 minutes. Allow solution to dry on surface and repeat treatment every seven days or when new growth appears. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly dirty.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or 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. **1-5 GALLON CONTAINER DISPOSAL/**

PESTICIDE STORAGE/RESIDUE REMOVAL: Non-refillable container. Store only in original container. Do not reuse empty container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap container and put in trash or offer for recycling if available. **≥ 5 GALLON CONTAINERS: PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **CONTAINER DISPOSAL:** Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. **RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container ¼ full with water. Replace and tighten closures. Agitate vigorously or recirculate water for 30 seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times.

Revised: 10/2012

Lot No.: 1505001789

EPA Reg No.: 10324-117-9152 Net Contents: **5 Gallons**
EPA Est No.: 9152-CA-1
Morgan-Gallacher, Inc. 8707 Millergrove Drive • Santa Fe Springs, CA 90670
SUPERIOR CLEANING PRODUCTS (562) 695-1232 • FAX: (562) 699-8953

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-225-BULK
Product Name: MG 4-Quat
Company Name: Morgan-Gallacher, Inc.
 8707 Millergrove Drive
 Santa Fe Springs, CA 90670
Emergency Contact: CHEMTREC

Phone Number:
 +1 (562)695-1232
 +1 (800)424-9300

2. HAZARDS IDENTIFICATION

Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2A



GHS Signal Word: Warning

GHS Hazard Phrases:
 H302 - Harmful if swallowed.
 H320 - Causes eye irritation.
 H315 - Causes skin irritation.

GHS Precaution Phrases:
 P102 - Keep out of reach of children.
 P103 - Read label before use.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P262 - Do not get in eyes, on skin, or on clothing.
 P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection.

GHS Response Phrases:
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P342 - If experiencing respiratory symptoms: P313 - Get medical advice/attention.
 P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P315 - Get immediate medical advice/attention.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P315 - Get immediate medical advice/attention.
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes.
 P332+313 - If skin irritation occurs, get medical advice/attention.
 P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:
 P501 - Dispose of contents/container in accordance to local, state and federal regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

**Potential Health Effects
(Acute and Chronic):**

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin Contact: Causes skin irritation. May be harmful if absorbed through the skin.
Eye Contact: Causes eye irritation. Causes eye burns.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	< 5.0 %
32426-11-2	1-Decanaminium, N,N-Dimethyl-N-octyl-, chloride	< 5.0 %
5538-94-3	1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	< 5.0 %
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	< 5.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid.
In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid. Wash clothing before reuse.
In Case of Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention. Gently lift eyelids and flush continuously with water. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical advice/attention.
In Case of Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.
Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt: No data.
Explosive Limits: LEL: No data UEL: No data
Autoignition Pt: NA
Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Flammable Properties and Hazards: No data available.
Hazardous Combustion Products: Hazardous decomposition products formed under fire conditions: Carbon oxides, nitrogen oxides (NOx), Further information.
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Observe all federal, state, and local environmental regulations. Do not let product enter drains, sewers, watersheds or water systems.
Steps To Be Taken In Case Material Is Released Or Spilled:	Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid breathing vapors, mist or gas.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Do not get in eyes, on skin or clothing. Do not ingest or inhale.
Precautions To Be Taken in Storing:	Keep away from acids. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data.	No data.	No data.
32426-11-2	1-Decanaminium, N,N-Dimethyl-N-octyl-, chloride	No data.	No data.	No data.
5538-94-3	1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	No data.	No data.	No data.
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	No data.	No data.	No data.
Respiratory Equipment (Specify Type):	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.			
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.			
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.			
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.			
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.			
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid
Appearance and Odor: Transparent.
pH: 6.0 - 8.0
Melting Point: NP
Boiling Point: NA
Flash Pt: No data.
Evaporation Rate: NA
Flammability (solid, gas): No data available.
Explosive Limits: LEL: No data UEL: No data
Vapor Pressure (vs. Air or mm Hg): NA
Vapor Density (vs. Air = 1): NA
Specific Gravity (Water = 1): 0.99 - 1.01
Solubility in Water: 100%
Saturated Vapor Concentration: NA
Percent Volatile: NA
Autoignition Pt: NA
Decomposition Temperature: NA
Viscosity: NA

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Avoid extremely high temperature. Keep from contact with oxidizing materials.
Incompatibility - Materials To Avoid: Acids. Strong oxidizing agents.
Hazardous Decomposition or Byproducts: Carbon oxides, Hydrogen chloride gas, nitrogen oxides (NOx), irritating and toxic fumes and gases.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	<p>Epidemiology: No data available. Teratogenicity: No data available. Mutagenicity: No data available. Neurotoxicity: No data available. Reproductive toxicity - no data available. Respiratory or skin sensitization:</p>
	<p>CAS# 7173-51-5: 1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride: Acute toxicity, LD50, Oral, Rat, 84.00 MG/KG. Result: Blood:Tumors. Immunological Including Allergic: Autoimmune (multiple organ involvement).</p>
Irritation or Corrosion:	<p>Other Studies: CAS# 68424-85-1: Acute toxicity, LD, Oral, Rat, 426 mg/kg</p>
	<p>Other Studies: CAS# 68424-85-1: Standard Draize Test, Skin, Species: Rabbit, 25 mg, 24 H</p>
Carcinogenicity/Other Information:	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</p>
Carcinogenicity:	<p>NTP? No IARC Monographs? No OSHA Regulated? No</p>

12. ECOLOGICAL INFORMATION

General Ecological Information:	<p>Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.</p>
Results of PBT and vPvB assessment:	<p>Other Studies: CAS# 5538-94-3: LC50, Fathead Minnow (Pimephales promelas), 5.2ppm, 96H</p> <p>Other Studies: CAS# 7173-51-5: LC50, Water Flea (Daphnia magna), 160 ug/L, 48H LC50, Fathead Minnow (Pimephales promelas), larvae, 470 ug/L, 24H LC50, Rainbow trout (Oncorhynchus mykiss), 750 ug/L, 48H</p> <p>Other Studies: CAS# 68424-85-1: LC50, Rainbow trout (Oncorhynchus mykiss), 1.600ppm, 96H, Mortality LC50, Striped bass (Morone saxatilis), 2820 ug/L, fry, 24H, Mortality</p>
Persistence and Degradability:	<p>Product is biodegradable.</p>
Bioaccumulative Potential:	<p>No data available.</p>
Mobility in Soil:	<p>No data available.</p>

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Disinfectants, Liquid, Corrosive. N.O.S. (Quaternary Ammonium compounds)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1903 **Packing Group:** III



15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	No	No	No
32426-11-2	1-Decanaminium, N,N-Dimethyl-N-octyl-, chloride	No	No	No
5538-94-3	1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	No	No	No
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
32426-11-2	1-Decanaminium, N,N-Dimethyl-N-octyl-, chloride	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
5538-94-3	1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

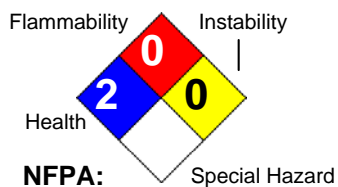
Regulatory Information: This product is considered a pesticide, and therefore excluded from US TSCA regulations.

Regulatory Information Statement: No known hazardous materials as defined by OSHA 29 CFR 1910.1200.

16. OTHER INFORMATION

Revision Date: 05/06/2015

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

While Morgan-Gallacher believes the statements set forth herein are accurate as of the date hereof, Morgan-Gallacher makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.

1. IDENTIFICACIÓN DEL PRODUCTO QUÍMICO Y LA EMPRESA

Código del Producto: MORGAN-225-BULK
Nombre del Producto: MG 4-Quat
Nombre de la Empresa: Morgan-Gallacher, Inc.
8707 Millergrove Drive
Santa Fe Springs, CA 90670
Número De Teléfono: +1 (562)695-1232
Contacto De la Emergencia: CHEMTREC +1 (800)424-9300

2. IDENTIFICACIÓN DE LOS RIESGOS

Toxicidad aguda por ingestión, Categoría 4
Corrosión/irritación cutáneas, Categoría 3
Lesiones oculares graves/irritación ocular, Categoría 2A



SGA Palabra de advertencia: Atención

Frases del peligro de SGA: H302 - Dañino si es deglutido.
H320 - Causa irritación de ojos.
Causa irritación de la piel.

Frases de la precaución de SGA: P102 - Mantener fuera del alcance de los niños.
P103 - Leer la etiqueta antes del uso.
P260 - No respirar polvos/humos/gases/nieblas/vapores/aerosoles.
P262 - Evitar todo contacto con los ojos, la piel o la ropa.
P264 - Lavarse cuidadosamente las manos después de la manipulación.
P280 - Usar protective gloves/protective clothing/eye protection.

Frases de la respuesta de SGA: P304+340 - EN CASO DE INHALACIÓN: Transportar a la víctima al aire libre y mantenerla en una posición que facilite la respiración.
P342 - En caso de síntomas respiratorios: P313 - Consultar a un médico.
P301+330+331 - EN CASO DE INGESTIÓN: Enjuagarse la boca. NO provocar el vómito.
P315 - Buscar asistencia médica inmediata.
P305+351+338 - EN CASO DE CONTACTO CON LOS OJOS: Lavar con agua cuidadosamente durante varios minutos. Quitar en su caso las lentes de contacto, si puede hacerse con facilidad. Proseguir con el lavado.
P315 - Buscar asistencia médica inmediata.
P303+361+353 - EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente la ropa contaminada. Lavar la piel con agua/ ducharse.
P332+313 - En caso irritación cutánea, consultar a un médico.
P363 - Lavar/descontaminar la ropa contaminada antes de volverla a usar.

Frases del almacenaje y de la disposición de SGA: P501 - Eliminar el contenido/recipiente ...

Estado regulador del OSHA: Este material está clasificado como peligroso bajo las regulaciones de la OSHA.

Potenciales efectos en la salud (Agudo o Crónico):

Inhalación:	Puede ser nocivo si se inhala. Puede provocar una irritación en el tracto respiratorio.
Contacto con la piel:	Provoca irritaciones de la piel. Puede ser nocivo si es absorbido por la piel.
Contacto con los ojos:	Provoca una irritación en los ojos. Provoca quemaduras en los ojos.
Ingestión:	Dañino si es deglutido. Podría causar la irritación de la zona digestiva.

3. COMPOSICIÓN/ INFORMACIÓN SOBRE LOS COMPONENTES

Numeros	Componentes peligrosos [química nombre]	Concentración
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	< 5.0 %
32426-11-2	Cloruro de decildimetiloctilamonio	< 5.0 %
5538-94-3	Cloruro de dimetildioctilamonio	< 5.0 %
7173-51-5	Cloruro de didecildimetilamonio	< 5.0 %

4. MEDIDAS EN PRIMEROS AUXILIOS

Procedimientos de Emergencia y Primeros Auxilios:

En caso de inhalación:	Quite de la exposición y del movimiento al aire fresco inmediatamente. Consiga la ayuda médica.
En caso de contacto con la piel:	Limpie la piel con un chorro de agua con el un montón de 15 minutos del agua por lo menos mientras que quita la ropa contaminada y los zapatos. Consiga la ayuda médica. Lave la ropa antes de la reutilización.
En caso de contacto con los ojos:	Inmediatamente irrigar los ojos con abundante cantidad de agua por al menos 15 minutos. Obtenga atención médica inmediata. De la GEN párpados y rubor de la elevación tly continuamente con agua. Quítese los lentes de contacto, si lleva y resulta fácil de hacer después de 5 minutos y continúe enjuagando durante 15 minutos. Consultar a un médico.
En caso de ingestión:	Nunca debe administrarse nada por la boca a una persona inconsciente. Si está tragado, no induzca vomitar. Si la víctima está consciente y alerta, dé las copas de 2-4 de leche o de agua.
Informe para el médico:	Convite sintomático y de apoyo. Mostrar esta ficha de seguridad al doctor que esté de servicio.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Punto de encendido:	No información
Límites de explosión:	LEI: No data LES: No data
Punto de Auto-Ignición:	NA
Medios Que extinguen Convenientes:	Utilice el aerosol de agua, el producto químico seco, el dióxido de carbono, o la espuma apropiada. La sustancia es no combustible; utilice el agente más apropiado extinguir el fuego circundante.
Instrucciones para combatir el fuego:	Como en cualquier fuego, use un aparato respiratorio autónomo en presión-exigen, MSHA/NIOSH (aprobado o equivalente), y engranaje protector lleno.
Propiedades y riesgos de materiales inflamables:	No disponible
Productos peligrosos combustión:	Productos de descomposición peligrosos formados en condiciones de incendio: Óxidos de carbono,

óxidos de nitrógeno (NOx), Otros datos.

El agua pulverizada puede ser utilizada para enfriar los contenedores cerrados.

6. MEDIDAS CONTRA FUGAS ACCIDENTALES

Precauciones protectoras, equipo protector y procedimientos de emergencia: Use el equipo de protección personal adecuado que se indica en la Sección 8.

Precauciones ambientales: Observar todos los reglamentos estatales y locales sobre la protección del medio ambiente. No dejar que el producto penetre en los desagües, alcantarillas, cuencas o sistemas hídricos.

Pasos a ser tomados en cuenta en caso de que material se fugue o derrame: Impedir nuevos escapes o derrames de forma segura. Absorba el derramamiento con el material inerte (e.g. vermiculita, arena o tierra), después colóquelo en envase conveniente. Evitar respirar los vapores, la neblina o el gas.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones a ser tomadas en la manipulación: No colocar en los ojos, piel o ropa. No injiera ni inhale.

Precauciones para ser tomadas en almacenaje: Guarde lejos de los ácidos. Conservar el envase herméticamente cerrado en un lugar seco y bien ventilado.

8. CONTROL DE EXPOSICIÓN / PROTECCIÓN PERSONAL

Numeros	Nombre Químico Parcial	OSHA TWA	ACGIH TWA	Otra Limites
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No información	No información	No información
32426-11-2	Cloruro de decildimetiloctilamonio	No información	No información	No información
5538-94-3	Cloruro de dimetildioctilamonio	No información	No información	No información
7173-51-5	Cloruro de didecildimetilamonio	No información	No información	No información
Equipo respiratorio (especificar el tipo):	Un programa de protección respiratoria que satisfaga los requerimientos de OSHA's 29 CFR 1910.134 y ANSI Z88.2 debe ser seguido siempre que las condiciones del lugar de trabajo garantizan el uso del respirador.			
Protección ocular:	Use las lentes protectoras apropiadas o los anteojos de la seguridad de los productos químicos según lo descrito por las regulaciones de la protección del ojo y de la cara del OSHA en 29 CFR 1910.133 o el estándar europeo EN166.			
Guantes protectores:	Use los guantes protectores apropiados para prevenir la exposición de piel. Guantes de goma o neopreno.			
Otras ropas protectoras:	Use la ropa protectora apropiada para prevenir la exposición de piel.			
Medidas de ingeniería [ventilación, etc.]:	Las instalaciones que almacenan o que utilizan este material se deben equipar de una facilidad del colirio y de una ducha de la seguridad.			
Prácticas de trabajo / higiene / mantenimiento:	Manipular con las precauciones de higiene industrial adecuadas, y respetar las prácticas de seguridad. Lávense las manos antes de los descansos y después de terminar la jornada laboral.			

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Estado físico: [] Gas [X] Líquido [] Sólido

Aspecto y Olor: Transparente.

pH: 6.0 - 8.0

Punto de Fusión: NP

Punto de Ebullición: NA

Punto de encendido: No información

Índice de evaporación: NA

Flammability (solid, gas): No disponible

Límites de explosión: LEI: No data LES: No data

Presión de Vapor (vs. Aire o mm Hg): NA

Densidad de Vapor (vs. Aire = 1): NA

Gravedad Específica (Agua = 1): 0.99 - 1.01

Solubilidad en Agua: 100%

Concentración de Vapor Saturado: NA

Volatilidad: NA

Punto de Auto-Ignición: NA

Temperatura de descomposición: NA

Viscosidad: NA

10. ESTABILIDAD Y REACTIVIDAD

Estabilidad: Inestable [] Estable [X]

Condiciones para evitar - Inestabilidad: No permita el contacto con agua. Evitar el contacto con agentes oxidantes.

Incompatibilidad - Materiales para evitar: Ácidos. Agentes oxidantes fuertes.

Peligrosa descomposición o derivados del producto: Óxidos de carbono, Gas cloruro de hidrógeno, óxidos de nitrógeno (NOx), humos y gases irritantes y tóxicos.

Posibilidad de reacciones peligrosas: Sucederá [] No sucederá [X]

Condiciones para evitar - Reacciones Peligrosas: Sin datos disponibles.

11. INFORMACIÓN TOXICOLÓGICA

Información Toxicológica:	<p>Epidemiología: Sin datos disponibles.</p> <p>Teratogenicidad: Ningunos datos disponibles.</p> <p>Mutagenicidad: Sin datos disponibles.</p> <p>Neurotoxicidad: Sin datos disponibles.</p> <p>Toxicidad para la reproducción - no hay datos disponibles.</p> <p>Sensibilización respiratoria o de piel:</p>
Irritación o la corrosión:	<p>CAS# 7173-51-5: Cloruro de didecildimetilamonio: Toxicidad aguda, DL50, Oral, Rata, 84.00 MG/KG. Resultado: Sangre: Tumores. Inmunológico incluyendo alérgica: autoinmune (la participación de múltiples órganos).</p> <p>Otros Estudios: CAS # 68424-85-1: Toxicidad aguda, LD, Oral, rata, 426 mg / kg.</p> <p>Otros Estudios: CAS # 68424-85-1: Prueba Draize estándar, Piel, Especies: conejo, 25 mg, 24 H.</p>
Carcinogenicidad/Otras informaciones:	<p>IARC: No se identifica ningún componente de este producto, que presente niveles mayores que o el igual a 0,1% como cancerígeno o como carcinógeno potencial por la IARC.</p> <p>ACGIH: No se identifica ningún componente de este producto, que presente niveles mayores que o el igual a 0,1% como cancerígeno o como carcinógeno potencial por la ACGIH.</p> <p>NTP: En este producto no se identifica ningún componente, que presente niveles mayores que o iguales a 0.1%, como agente carcinógeno conocido o anticipado por el (NTP) Programa Nacional de Toxicología.</p> <p>No se identifica ningún componente de este producto, que presente niveles mayores que o el igual a 0,1% como cancerígeno o como carcinógeno potencial por la (OSHA) Administración de Salud y Seguridad Ocupacional.</p>
Carcinogenicidad:	<p>NTP No IARC No Regulado por OSHA? No</p>

12. INFORMACIÓN ECOLÓGICA

Información Ecológica:	<p>El tóxico a los organismos acuáticos, puede causar a largo plazo efectos nocivos en el ambiente acuático.</p> <p>No se puede excluir un peligro para el medio ambiente en el caso de una manipulación o eliminación no profesional.</p>
Resultados de la valoración PBT y mPmB:	<p>Otros Estudios: CAS # 5538-94-3: CL50, Fathead Minnow (Pimephales promelas), 5.2ppm, 96H.</p> <p>Otros Estudios: CAS # 7173-51-5: CL50, pulga de agua (Daphnia magna), 160 ug / L, 48H CL50, Fathead Minnow (Pimephales promelas), larvas, 470 ug / L, 24H CL50, Trucha arco iris (Oncorhynchus mykiss), 750 ug / L, 48H.</p> <p>Otros Estudios: CAS # 68424-85-1: CL50, Trucha arco iris (Oncorhynchus mykiss), 1.600ppm, 96H, Mortalidad CL50, róbalo rayado (Morone saxatilis), 2820 ug / L, freír, 24H, Mortalidad.</p>
Persistencia y degradabilidad:	<p>El producto es biodegradable.</p>
Potencial de bioacumulación:	<p>Sin datos disponibles.</p>
Movilidad en el suelo:	<p>Sin datos disponibles.</p>

13. CONSIDERACIONES RELACIONADAS A LA ELIMINACIÓN

Método de eliminación los desperdicios: Los generadores inútiles del producto químico deben determinar si un producto químico desechado está clasificado como desechos peligrosos. Las pautas de los E.E.U.U. EPA para la determinación de la clasificación se enumeran en 40 partes de CFR 261. Además, los generadores inútiles deben consultar el estado y regulaciones locales de los desechos peligrosos para asegurar la clasificación completa y exacta. Observar todos los reglamentos estatales y locales sobre la protección del medio ambiente. Para la eliminación de este producto, dirigirse a un servicio profesional autorizado.

14. INFORMACIÓN RELACIONADA AL TRANSPORTE

TRANSPORTE POR TIERRA (US DOT):

DOT Nombre propio del envío: Disinfectants, Liquid, Corrosive. N.O.S. (Quaternary Ammonium compounds)
Clase De Peligro (DOT): 8 CORROSIVO
Número UN/NA: UN1903 **Grupo del embalaje:** III



15. INFORMACIÓN REGLAMENTARIA

Lista de la Ley de Reautorización y Enmiendas de Grandes Reservas(SARA) del 1986

Numeros CAS	Componentes peligrosos [química nombre]	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	No	No	No
32426-11-2	Cloruro de decildimetiloctilamonio	No	No	No
5538-94-3	Cloruro de dimetildioctilamonio	No	No	No
7173-51-5	Cloruro de didecildimetilamonio	No	No	No

Numeros CAS	Componentes peligrosos [química nombre]	Otros E.E.U.U. EPA o listas del estado
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	TSCA: Sí - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
32426-11-2	Cloruro de decildimetiloctilamonio	TSCA: Sí - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
5538-94-3	Cloruro de dimetildioctilamonio	TSCA: Sí - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
7173-51-5	Cloruro de didecildimetilamonio	TSCA: Sí - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

Información reglamentaria: Este producto es considerado un pesticida, y por lo tanto excluidos de la normativa.

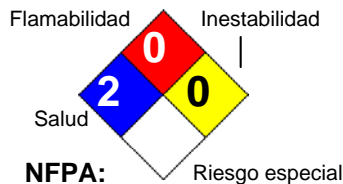
Declaración Reguladora De la Materiales peligrosos No se conocen como definición de la OSHA 29 CFR 1910.1200.

Información:

16. OTRAS INFORMACIONES

Fecha de la revisión: 05/06/2015

**Sistema de Estimación del
Riesgo:**



Información adicional acerca de este producto: No disponible

Política o negación de la compañía: Mientras Morgan-Gallacher cree las declaraciones que figuran en el presente documento son exactas a partir de la fecha del presente, Morgan-Gallacher ofrece ninguna garantía con respecto a la misma y se exime expresamente de toda responsabilidad por relación a lo mencionado. Estos datos se brindan sólo para evaluación, investigación y verificación.