



## Disinfectant and Cleaner

### Surface Friendly

**Kills Clostridium difficile spores in 4 minutes**  
**Effective against a broad range of microorganisms**

**KEEP OUT OF REACH OF CHILDREN**

### DANGER

#### ACTIVE INGREDIENT:

Sodium Dichloro-s-triazinetriene.....48.21%\*

OTHER INGREDIENTS.....51.79%

TOTAL.....100.00%

\*Equivalent to 31.10% active chlorine by tablet weight. Refer to dilution chart for Available Chlorine concentrations.

#### Defender is for use in:

- Hospitals, nursing homes, medical and dental offices and clinics, operating rooms, isolation wards, and medical research facilities.
- Veterinary clinics, animal life science laboratories, kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, and other animal care facilities.
- Cosmetic, pharmaceutical, and medical device manufacturing facilities, biotechnology firms, pharmacies, and compounding pharmacies.

**Defender provides effective cleaning strength that will not dull high gloss floor finishes with repeated use.**

#### FIRST AID

**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 the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the 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 by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice. **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.

**IN THE EVENT OF A MEDICAL EMERGENCY CALL YOUR POISON CONTROL CENTER AT 1-800-222-1222.** Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. See side panel for additional precautionary statements.



**TRUSTMEDICAL**

NET CONTENTS:  
NET WT: 4.71 oz (0.1336 kg)  
EPA Reg. No. 71847-7-92281  
EPA Est. No. 71847-IRL-001  
EPA Rev. 28 DEC 16  
Vendor No. 15442  
UMI No. MDCT447442

**40 TABLETS**  
**3.3 gram**  
**Tablet Size**

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or clothing. Avoid breathing dust. Wear chemical-resistant gloves and safety glasses or face shield when making up solution. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**PHYSICAL OR CHEMICAL HAZARDS: STRONG OXIDIZING AGENT:** Use only clean dry utensils. Mix only into water. Contamination with moisture, dirt, organic matter or other chemicals or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. Avoid any contact with flaming or burning material such as a lighted cigarette. Do not use this product in any chlorinating device which has been used with any inorganic or unstabilized chlorinating compounds (e.g., calcium hypochlorite). Such use may cause fire or explosion.

**Dilution Chart for  
3.3 gram Tablets**

Solution ppm (mg/L) available chlorine	# of Tablets	Quarts of Water
0.5	1	2170
1	1	1085
1.5	1	723
3	1	362
4	1	271
5	1	217
10	1	100
100	1	10
411	1	2
538	1	2
1076	1	1
2153	2	1
4306	4	1
5382	5	1



## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **Read the entire label and use strictly in accordance with precautionary statements and directions.**

**HEALTHCARE DISINFECTION** This product, DEFENDER, is a Hospital Use Disinfectant. General Healthcare disinfectant (538 ppm available chlorine disinfectant solution) is effective against standard gram positive and gram negative bacteria (staphylococcus aureus, pseudomonas aeruginosa and salmonella enterica) and Cold and flu viruses (respiratory syncytial virus, influenza H1N1). This product is effective as a Healthcare disinfectant for blood borne viruses and animal care facilities when used at level of 1076 ppm available chlorine disinfectant solution. It is effective against HIV, Hepatitis B, Feline Calicivirus, Norovirus, Canine Distemper virus, Infectious Canine hepatitis, Teschen/Talfan disease, Avian influenza, Porcine parvovirus, Runtig & Stunting virus (tenosynovitis), Actinobacillus pleuropneumoniae, Bordetella bronchiseptica(rhinitis), Brachyspira (Treponema/Serpulina) hyodysenteriae (swine dysentery), Gumboro disease, Streptococcus uberis, Streptococcus dysgalactiae, and Clostridium perfringens USDA with a 10 minute contact time. For Transmissible gastroenteritis (TGE), Swine Vesicular disease, African swine fever, Hog cholera/Classical swine fever, and Avipox (fowl pox). A 30 minute contact time is required.

**Note:** The California DPR has not yet approved the use of this product Defender against these animal pathogens. Only approved for use against Canine parvovirus, Newcastle Disease Virus, Pseudorabies, Canine Distemper Virus, & Feline Calicivirus in the state of California.

This product is also effective as a Healthcare disinfectant for critical areas potentially contaminated with C. Diff spores when used at a level of 2153 ppm available chlorine disinfectant solution.

**Notice to User:** This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the blood stream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

**GENERAL DISINFECTION** This product, DEFENDER, is a general disinfectant at 538 ppm available chlorine disinfectant solution effective against Staphylococcus aureus, Salmonella enterica, Pseudomonas aeruginosa and cold and flu (respiratory syncytial virus, influenza H1N1). Prepare a 538 ppm solution; refer to Dilution Chart. Apply to pre-cleaned surface with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 10 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

### DISINFECTION FOR SURFACES CONTAMINATED WITH HIV AND OTHER VIRUSES AND ANIMAL HOUSING FACILITIES

**PREPARATION OF USE SOLUTION:** Prepare a 1076 ppm solution; refer to Dilution Chart. Keep in a properly labeled container to protect against contamination. Unused solution must be discarded.

**DISINFECTION/VIRUCIDAL DIRECTIONS:** Prepare a 1076 ppm solution; refer to dilution chart. Apply use solution to pre-cleaned, hard, non-porous, inanimate surfaces with brush, spray device, sponge, cloth, or mop to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove product by wiping with brush, sponge, or cloth. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface, and rub with brush, sponge, wipe or cloth. Do not breathe spray mist. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**Kills HIV-1, Hepatitis A, and Hepatitis B viruses on PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis A virus, and Hepatitis B virus.

### SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:

**PERSONAL PROTECTION:** Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye coverings. **CLEANING PROCEDURE:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of DEFENDER. This cleaning process may be accomplished with any cleaning solution including DEFENDER. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal. **CONTACT TIME:** Leave surfaces wet for 10 minutes.

**DISINFECTION FOR SURFACES CONTAMINATED WITH CLOSTRIDIUM DIFFICILE IN 4 MINUTES** Special Label Instructions for Cleaning Prior to Disinfection against Clostridium difficile spores: **Personal Protection:** Wear appropriate barrier protection such as gloves, gowns, masks or eye covering. **Cleaning Procedure:** Fecal matter/waste must be thoroughly cleaned from surfaces/objects before disinfection by application with a clean cloth, mop, and/or sponge saturated with the disinfectant product. Cleaning is to include vigorous wiping and/or scrubbing, until all visible soil is removed. Special attention is needed for high-touch surfaces. Surfaces in patient rooms are to be cleaned in an appropriate manner, such as from right to left or left to right, on horizontal surfaces, and top to bottom, on vertical surfaces, to minimize spreading of the spores. Restrooms are to be cleaned last. Do not reuse soiled cloth. **Infectious Materials Disposal:** Materials used in the cleaning process that may contain feces/wastes are to be disposed of immediately in accordance with local regulations for infectious materials disposal.

Prepare a 4,306 ppm solution; refer to Dilution Chart. Apply to pre-cleaned surface with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 4 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**GENERAL DISINFECTION WITHOUT PRECLEAN** This product DEFENDER is a Healthcare disinfectant when used at level of 4,306 ppm available chlorine disinfectant solution. It is effective Norovirus with a 1 minute contact time. For Salmonella enterica, Staphylococcus aureus, Pseudomonas aeruginosa, carbapenem resistant Klebsiella Pneumoniae, Acinetobacter baumannii 4 minute contact time is required. Prepare a 4,306 ppm solution; refer to Dilution Chart. Apply to surface with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 4 minutes. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**DISINFECTION FOR SURFACES CONTAMINATED WITH TUBERCULOSIS IN 4 MINUTES** Special Label Instructions for Cleaning Prior to Disinfection against Tuberculosis: This product when used as directed below is effective against Mycobacterium bovis. This product can be used on hard nonporous surfaces in commercial institutional hospital and premises (including kitchens, bathrooms, nurseries, sick rooms, laundry rooms, eating establishments, pet kennels and veterinary premises). To disinfect hard nonporous surfaces first clean surface by removing gross filth (loose dirt debris food materials etc). Prepare a 5,382 ppm available chlorine solution.

Thoroughly wet surface with the solution and allow it to remain in contact with the surface for 4 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

See insert for full directions for use.

## STORAGE AND DISPOSAL

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

## PESTICIDE STORAGE

Store in a cool, dry, well-ventilated area at temperatures below 40°C/104°F. Avoid moisture getting into container.

## PESTICIDE DISPOSAL

Pesticide may be acutely hazardous. Wastes resulting from the use of this product must be disposed of on-site, or at an approved waste disposal facility.

## CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill.



Trust Medical, LLC  
21370 Heywood Avenue  
Lakeville, MN 55044  
1-888-200-0917

EPA Reg. No. 71847-7-92281 EPA Est. No. 71847-IRL-001  
Vendor No. 15442 UMI No. MDCT447442





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### Surface Friendly

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**KEEP OUT OF REACH OF CHILDREN**

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OTHER INGREDIENTS.....51.79%

TOTAL.....100.00%

\*Equivalent to 31.10% active chlorine by tablet weight. Refer to dilution chart for Available Chlorine concentrations.

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- Veterinary clinics, animal life science laboratories, kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, and other animal care facilities.
- Cosmetic, pharmaceutical, and medical device manufacturing facilities, biotechnology firms, pharmacies, and compounding pharmacies.

**Defender provides effective cleaning strength that will not dull high gloss floor finishes with repeated use.**

#### FIRST AID

**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 the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the 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 by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice. **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.

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**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. See side panel for additional precautionary statements.

NET CONTENTS:  
NET WT 11.78 oz (0.334 kg)  
EPA Reg. No. 71847-7-92281  
EPA Est. No. 71847-IRL-001  
EPA Rev. 28 DEC 16  
Vendor No. 15443  
UMI No. MDCT447443



**100 TABLETS**  
**3.3 gram**  
**Tablet Size**

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or clothing. Avoid breathing dust. Wear chemical-resistant gloves and safety glasses or face shield when making up solution. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**PHYSICAL OR CHEMICAL HAZARDS: STRONG OXIDIZING AGENT:** Use only clean dry utensils. Mix only into water. Contamination with moisture, dirt, organic matter or other chemicals or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. Avoid any contact with flaming or burning material such as a lighted cigarette. Do not use this product in any chlorinating device which has been used with any inorganic or unstabilized chlorinating compounds (e.g., calcium hypochlorite). Such use may cause fire or explosion.

Dilution Chart for 3.3 gram Tablets		
Solution ppm (mg/L) available chlorine	# of Tablets	Quarts of Water
0.5	1	2170
1	1	1085
1.5	1	723
3	1	362
4	1	271
5	1	217
10	1	100
100	1	10
411	1	2
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This product is also effective as a Healthcare disinfectant for critical areas potentially contaminated with C. Diff spores when used at a level of 2153 ppm available chlorine disinfectant solution.

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### DISINFECTION FOR SURFACES CONTAMINATED WITH HIV AND OTHER VIRUSES AND ANIMAL HOUSING FACILITIES

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**Kills HIV-1, Hepatitis A, and Hepatitis B viruses on PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis A virus, and Hepatitis B virus.

### SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:

**PERSONAL PROTECTION:** Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye coverings. **CLEANING PROCEDURE:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of DEFENDER. This cleaning process may be accomplished with any cleaning solution including DEFENDER. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal. **CONTACT TIME:** Leave surfaces wet for 10 minutes.

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Prepare a 4,306 ppm solution; refer to Dilution Chart. Apply to pre-cleaned surface with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 4 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

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Thoroughly wet surface with the solution and allow it to remain in contact with the surface for 4 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

See insert for full directions for use.

## STORAGE AND DISPOSAL

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

## PESTICIDE STORAGE

Store in a cool, dry, well-ventilated area at temperatures below 40°C/104°F. Avoid moisture getting into container.

## PESTICIDE DISPOSAL

Pesticide may be acutely hazardous. Wastes resulting from the use of this product must be disposed of on-site, or at an approved waste disposal facility.

## CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill.



Trust Medical, LLC  
21370 Heywood Avenue  
Lakeville, MN 55044  
1-888-200-0917

EPA Reg. No. **71847-7-92281** EPA Est. No. **71847-IRL-001**  
Vendor No. **15443** UMI No. **MDCT447443**





KEEP OUT OF REACH OF CHILDREN  
**DANGER**

<b>ACTIVE INGREDIENT:</b>	Sodium Dichloro-s-triazinetriene.....	48.21%*
<b>OTHER INGREDIENTS.....</b>		<b>51.79%</b>
<b>TOTAL.....</b>		<b>100.00%</b>

\*Equivalent to 31.10% active chlorine by tablet weight. Refer to dilution chart for Available Chlorine concentrations

**Healthcare, Institutional and Industrial**

For use in Cleaning and Disinfection in hospitals, neo-natal units, hospital drain pipes, nursing homes, child care centers, daycares, veterinary clinics, zoos and aquariums, livestock quarters, industrial facilities, kennels, boarding facilities, laboratories, lab animal facilities, licensed care facilities, institutions, Intensive Care Unit (ICU) operating rooms, dental facilities, restrooms and Tattoo parlors.

- This product meets CDC criteria for hospital disinfectant products with label claims for a non-enveloped virus.
- Helps infection control by quickly acting against a wide spectrum of micro-organisms
- Kills C.diff (Clostridium difficile spores) in 4 minutes!
- Effective against hepatitis A and hepatitis B
- Convenient tablet form that can be used with dry wipes
- Single dose tablet delivers accurate strength solution every time, eliminating “measure and pour” guesswork
- Defender provides effective cleaning strength that will not dull high gloss floors finishes with repeated use.

**Effervescent Disinfectant Tablets for Hospitals and Institutional Use**

Defender is effective against the following micro-organisms on pre-cleaned, hard, nonporous, inanimate surfaces: Salmonella enterica, Staphylococcus aureus, Pseudomonas aeruginosa, Klebsiella pneumoniae, Staphylococcus epidermidis, Escherichia coli O157:H7, Staphylococcus aureus – MRSA & GRSA, carbapenem resistant Klebsiella Pneumoniae, Acinetobacter baumannii, Poliovirus type 1, Herpes simplex virus type 1, Hepatitis A virus, Hepatitis B virus, Human Immunodeficiency Virus Type 1 (associated with AIDS) or (AIDS Virus), Influenza virus H1N1, respiratory syncytial virus, Canine Parvovirus, Newcastle Disease Virus, Pseudorabies, Canine Distemper Virus, Feline Calicivirus, Norovirus, Enterococcus faecalis Vancomycin Resistant, Trichophyton mentagrophytes, Mycobacterium bovis (TB) and Clostridium difficile.

Defender is designed to provide effective cleaning, and disinfection in areas where it is of prime importance in controlling the hazard of cross contamination on treated pre-cleaned, hard, nonporous, inanimate surfaces.

**Defender is for use in:**

- Hospitals, nursing homes, medical and dental offices and clinics, operating rooms, isolation wards, and medical research facilities.
- Day care centers and nurseries.
- Veterinary clinics, animal life science laboratories, kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, and other animal care facilities.
- Cosmetic, pharmaceutical, and medical device manufacturing facilities, biotechnology firms, pharmacies, and compounding pharmacies.

FIRST AID	
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If swallowed	<ul style="list-style-type: none"><li>• Call a poison control center, or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
If inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IN THE EVENT OF A MEDICAL EMERGENCY CALL YOUR POISON CONTROL CENTER AT 1-800-222-1222.</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>NOTE TO PHYSICIAN</b> Probable mucosal damage may contraindicate the use of gastric lavage.	

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or clothing. Avoid breathing dust. Wear chemical-resistant gloves and safety glasses or face shield when making up solution. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. See additional precautionary and first aid statements inside the label.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label and use strictly in accordance with precautionary statements and directions.

**HEALTHCARE DISINFECTION**

This product DEFENDER is a Hospital Use Disinfectant. General Healthcare disinfectant (538 ppm available chlorine disinfection solution) is effective against standard gram positive and gram negative bacteria (staphylococcus aureus, pseudomonas aeruginosa and salmonella enterica) and Cold and flu viruses (respiratory syncytial virus, influenza H1N1).

This product is effective as a Healthcare disinfectant for blood borne viruses and animal care facilities when used at level of 1076 ppm available chlorine disinfectant solution. It is effective against HIV, Hepatitis B, Feline Calicivirus, Norovirus, Canine Distemper virus, Infectious Canine hepatitis, Teschen/Talfan disease, Avian influenza, Porcine parvovirus, Runting & Stunting virus (tenosynovitis), Actinobacillus pleuropneumoniae, Bordetella bronchiseptica (rhinitis), Brachyspira (Treponema/Serpulina) hyodysenteriae (swine dysentery), Gumboro disease, Streptococcus uberis, Streptococcus dysgalactiae, and Clostridium perfringens USDA with a 10 minute contact time. For Transmissible gastroenteritis (TGE), Swine Vesicular disease, African swine fever, Hog cholera/Classical swine fever, and Avipox (fowl pox). A 30 minute contact time is required.

This product is also effective as a Healthcare disinfectant for critical areas potentially contaminated with C. Diff spores when used at a level of 2153 ppm available chlorine disinfectant solution.

**Notice to User:** This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the blood stream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

**GENERAL DISINFECTION**

This product DEFENDER is a general disinfectant at 538 ppm available chlorine disinfectant solution effective against Staphylococcus aureus, Salmonella enterica, Pseudomonas aeruginosa and cold and flu (respiratory syncytial virus, influenza H1N1). Prepare a 538 ppm solution; (refer to Dilution Chart). Apply to pre-cleaned surface with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 10 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**DISINFECTION FOR SURFACES CONTAMINATED WITH HIV AND OTHER VIRUSES AND ANIMAL HOUSING FACILITIES:**

**PREPARATION OF USE SOLUTION:**

Prepare a 1076 ppm solution; (refer to Dilution Chart) Keep in a properly labeled container to protect against contamination. Unused solution must be discarded.

**DISINFECTION/VIRUCIDAL DIRECTIONS:**

Prepare a 1076 ppm solution; refer to dilution chart. Apply use solution to pre-cleaned, hard, non-porous, inanimate surfaces with brush, spray device, sponge, cloth, or mop to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove product by wiping with brush, sponge, or cloth. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface, and rub with brush, sponge, wipe or cloth. Do not breathe spray mist.

Before using this product, food products and packaging materials must be removed from the room or carefully protected. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**Kills HIV-1, Hepatitis A, and Hepatitis B viruses on PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis A virus, and Hepatitis B virus.

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:**

**PERSONAL PROTECTION:** Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye coverings.

**CLEANING PROCEDURE:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of DEFENDER. This cleaning process may be accomplished with any cleaning solution including DEFENDER.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal. **CONTACT TIME:** Leave surfaces wet for 10 minutes.

**ANIMAL PATHOGENS:** When used at 1076 ppm solution, applied as outlined under Disinfection/Virucidal Directions, DEFENDER is effective against the following animal pathogens: Feline Calicivirus, Norovirus, Canine Distemper virus, Infectious Canine hepatitis, Teschen/Talfan disease, Avian influenza, Porcine parvovirus, Runting & Stunting virus (tenosynovitis), Actinobacillus pleuropneumoniae, Bordetella bronchiseptica (rhinitis), Brachyspira (Treponema/Serpulina) hyodysenteriae (swine dysentery), Gumboro disease, Streptococcus uberis, Streptococcus dysgalactiae, and Clostridium perfringens USDA with a 10 minute contact time. For Transmissible gastroenteritis (TGE), Swine Vesicular disease, African swine fever, Hog cholera/Classical swine fever, and Avipox (fowl pox), a 30 minute contact time is required. Re-apply product as necessary to ensure surface remains wet.

**Note:** Only approved for use against Canine parvovirus, Newcastle Disease Virus, Pseudorabies, Canine Distemper Virus, & Feline Calicivirus in the state of California.

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION IN ANIMAL HOUSING FACILITIES:**

1. Remove all animals and feed from premises, vehicles, and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with 1076 ppm available chlorine disinfecting solution for a period of 10 minutes
6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
7. Ventilate buildings, cars, boats, and-other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and allow to air dry before reuse.

**DISINFECTION FOR SURFACES CONTAMINATED WITH CLOSTRIDIUM DIFFICILE**

Special Label Instructions for Cleaning Prior to Disinfection against Clostridium difficile spores:

**Personal Protection:** Wear appropriate barrier protection such as gloves, gowns, masks or eye covering.

**Cleaning Procedure:** Fecal matter/waste must be thoroughly cleaned from surfaces/objects before disinfection by application with a clean cloth, mop, and/or sponge saturated with the disinfectant product. Cleaning is to include vigorous wiping and/or scrubbing, until all visible soil is removed. Special attention is needed for high-touch surfaces. Surfaces in patient rooms are to be cleaned in an appropriate manner, such as from right to left or left to right, on horizontal surfaces, and top to bottom, on vertical surfaces, to minimize spreading of the spores. Restrooms are to be cleaned last. Do not reuse soiled cloths.

**Infectious Materials Disposal:** Materials used in the cleaning process that may contain feces/wastes are to be disposed of immediately in accordance with local regulations for infectious materials disposal.

Prepare a 2153 ppm solution; (refer to Dilution Chart). Apply to pre-cleaned surface with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 10 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**DISINFECTION FOR SURFACES CONTAMINATED WITH CLOSTRIDIUM DIFFICILE IN 4 MINUTES**

Special Label Instructions for Cleaning Prior to Disinfection against Clostridium difficile spores:

**Personal Protection:** Wear appropriate barrier protection such as gloves, gowns, masks or eye covering.

**Cleaning Procedure:** Fecal matter/waste must be thoroughly cleaned from surfaces/objects before disinfection by application with a clean cloth, mop, and/or sponge saturated with the disinfectant product. Cleaning is to include vigorous wiping and/or scrubbing, until all visible soil is removed. Special attention is needed for high-touch surfaces. Surfaces in patient rooms are to be cleaned in an appropriate manner, such as from right to left or left to right, on horizontal surfaces, and top to bottom, on vertical surfaces, to minimize spreading of the spores. Restrooms are to be cleaned last. Do not reuse soiled cloths.

**Infectious Materials Disposal:** Materials used in the cleaning process that may contain feces/wastes are to be disposed of immediately in accordance with local regulations for infectious materials disposal.

Prepare a 4,306 ppm solution; (refer to Dilution Chart). Apply to pre-cleaned surface with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 4 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**GENERAL DISINFECTION WITHOUT PRECLEAN**

This product DEFENDER is a Healthcare disinfectant when used at level of 4,306 ppm available chlorine disinfectant solution. It is effective Norovirus with a 1 minute contact time. For Salmonella enterica, Staphylococcus aureus, Pseudomonas aeruginosa, carbapenem resistant Klebsiella Pneumoniae, Acinetobacter baumannii 4 minute contact time is required. Prepare a 4,306 ppm solution; refer to Dilution Chart. Apply to surface with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 4 minutes. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**DISINFECTION FOR SURFACES CONTAMINATED WITH TUBERCULOSIS IN 4 MINUTES**

Special Label Instructions for Cleaning Prior to Disinfection against Tuberculosis:

This product when used as directed below is effective against Mycobacterium bovis. This product can be used on hard nonporous surfaces in commercial institutional hospital and premises (including kitchens bathrooms nurseries sick rooms laundry rooms) eating establishments pet kennels and veterinary premises). To disinfect hard nonporous surfaces first clean surface by removing gross filth (loose dirt debris food materials etc). Prepare a 5,382 ppm available chlorine solution. Thoroughly wet surface with the solution and allow it to remain in contact with the surface for 4 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh

solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**To Pre-clean Instruments Prior to Terminal Sterilization/High Level Disinfection**

Prepare a 2153 ppm solution. As a pre-cleaning spray- Place instruments into a suitable container, Spray DEFENDER onto instruments to thoroughly wet all surfaces. Let stand for up to 10 minutes. Rinse instruments.

As a pre-cleaning immersion solution - Fill appropriate size container with a sufficient amount of DEFENDER to completely submerge instruments. Place instruments into the container of this product, cover, and allow to soak for up to 10 minutes. Remove and rinse and follow with an appropriate cleaning and disinfecting process. Change solution daily. As a manual instrument cleaner - Thoroughly pre-rinse dirty instruments under running water to remove gross debris. Immerse pre-rinsed instruments into an appropriate size container filled with DEFENDER. Scrub instruments using a stiff bristle brush until visibly clean. Submerge instruments while scrubbing. Rinse instruments thoroughly. Change solution daily. Follow with an appropriate disinfection process. Cleaning of critical and semi-critical devices must be followed by an appropriate terminal sterilization/high level disinfection process. To Disinfect Non-Critical Pre-Cleaned Instruments - Instruments must be thoroughly pre-cleaned to remove excess organic debris rinsed and rough dried (Clean and rinse lumens of hollow instruments before filling with DEFENDER or before immersion). Immersion method using a soaking tray immerses instruments into this product and let stand for one or 1 minute. Change solution for each use Spray method - Spray all surfaces of instruments with DEFENDER until thoroughly wet. Let stand for one or 1 minute.

**SANITIZER FOR FOOD AND BEVERAGE PROCESSING AND FOOD HANDLING OPERATIONS**

Prepare a 100 ppm solution; (refer to dilution chart for the number of tablets to use). Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

This product is recommended for sanitizing all types of hard, non-porous equipment and utensils used in food processing and canning plants, bottling plants, breweries, fish processing plants, meat and poultry processing plants, milk handling and processing plants, stores, restaurant and institutional dining establishments. Use a 100 ppm available chlorine solution (refer to Dilution Chart) to sanitize previously cleaned processing and packaging equipment. Allow at least a one minute contact time before draining. Allow adequate draining before contact with beverages.

**EGG PROCESSING PLANTS**

Prepare a 100 ppm solution; (refer to dilution chart for the number of tablets to use). Clean and destain egg shells prior to sanitizing. To clean egg shells, spray with a 90°F to 120°F solution containing 100 ppm available chlorine solution (refer to Dilution Chart). Spray-rinse the cleaned eggs with warm potable water. Only clean, whole eggs may be sanitized. Dirty, cracked or punctured eggs may not be sanitized. To destain egg shells, immerse the eggs in a 90°F to 120°F solution containing 100 ppm available chlorine (refer to Dilution Chart). After destaining, the eggs must be cleaned by spraying with an acceptable cleaner. Follow with a potable water rinse.

To sanitize clean shell eggs intended for food or food products, spray with a solution containing 100 ppm available chlorine (refer to Dilution Chart). The solution must be equal to or warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs that have been sanitized with this chlorine compound may be broken for use in the manufacture of egg products without a prior potable water rinse. Eggs must be reasonably dry before casing or breaking. The solution must not be reused for sanitizing eggs. Thoroughly clean and sanitize all egg cups, breaking knives, trays and other equipment that come into contact with "off" eggs. First, clean all equipment. Before placing back in use, spray with a solution containing 100 ppm available chlorine (refer to Dilution Chart). Allow surfaces to completely drain before contact with egg product. To sanitize egg freezers and dryers (tanks, pipelines and pumps), use the spray or fog method of treatment (see Sanitizing Application Methods section). This procedure is generally used to sanitize large, non-porous surfaces that have already been cleaned of physical soil.

Prepare a solution containing 100 ppm available chlorine (refer to Dilution Chart). Heavily apply spray to all surfaces the eggs will touch. Thoroughly spray all treated surfaces, comers and turns. Allow at least a one minute contact time before draining. Allow equipment to drain adequately before contact with eggs.

**SANITIZING HARD, NON-POROUS SURFACES, DISHES, GLASSES, FOOD PROCESSING EQUIPMENT AND UTENSILS, DAIRY AND BREWERY EQUIPMENT AND UTENSILS**

Prepare a 100 ppm solution; (refer to dilution chart for the number of tablets to use). Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse. This product is an effective sanitizing agent. Treatment with this product throughout food and beverage processing and food handling operations can help ensure the quality and safety of the final product.

**HANDWASHING OF ITEMS**

1. Remove all gross food particles and soil by a preflush or prescrape and, when necessary, presoak treatment. Wash surfaces or objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.
2. Prepare a 100 ppm available chlorine sanitizing solution (refer to Dilution Chart).
3. Place equipment, utensils, dishes, glasses, etc. in the solution or apply the use solution to surfaces using a cloth, sponge, or coarse sprayer.
4. Allow to stand at least one minute, drain the excess solution from the surface, and allow to air dry.
5. Fresh sanitizing solution must be prepared at least daily or more often if the solution becomes diluted or soiled.

**MACHINE WASHING OF ITEMS**

1. Remove all gross food particles and soil by a preflush or prescrape and, when necessary, presoak treatment. Wash surfaces or objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.
2. Prepare a 100 ppm available chlorine solution (refer to Dilution Chart).
3. Add the solution to the feed tank of immersion or spray type machines that can provide at least one minute contact time for sanitizing dishes, glasses, food processing equipment, or utensils. Allow to drain and air dry before use.
4. Promptly use the sanitizing solution. Prepared solutions cannot be reused for sanitizing but may be used for other purposes, such as cleaning.

**SHOE AND BOOT BATH SANITIZER**

To prevent cross contamination into treated animal areas and the packaging and storage areas of food plants. Shoe and Boot baths containing one inch of freshly made 100 ppm available chlorine (refer to Dilution Chart) should be placed at all entrances to buildings, hatcheries, and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and boots, and place into solution for at least one minute 60 seconds prior to entering area. Change the sanitizing solution in the bath at least daily or sooner if solution appears diluted or dirty.

**MILK HANDLING AND PROCESSING EQUIPMENT**

This product can be used on dairy farms and in plants processing milk, cream, ice cream, and cheese. Rinse milking machines, utensils, and all equipment with cold water to remove excess milk. Clean and rinse prior to sanitizing. To sanitize, spray or rinse all precleaned surfaces with 100 ppm available chlorine solution (refer to Dilution Chart). Allow adequate draining before contact with dairy products. It is important to clean out large deposits of milk or other organic matter before sanitizing. A sharp decline in the available chlorine content of the sanitizer following circulation through milk processing equipment is usually regarded as evidence of inadequate cleaning of the equipment and should be promptly investigated.

**SANITIZING APPLICATION METHODS**

Prepare a 100 ppm solution; refer to dilution chart for the number of tablets to use. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse. Freshly prepare all sanitizing solutions. Test solutions during use to ensure the concentration does not drop below the recommended level. Keep in properly labeled containers to protect against contamination. Discard unused solutions.

**PRESSURE METHOD OF SANITIZING EQUIPMENT**

This method is commonly used to sanitize closed systems, such as fluid milk cooling and handling equipment. It is also appropriate for sanitizing weigh tanks, coolers, short-time pasteurizers, pumps, homogenizers, fillers, sanitary piping and fittings, and bottle and can fillers. For mechanical operations, prepared solutions cannot be reused for sanitizing but may be used for other purposes, such as cleaning. For manual operations, fresh sanitizing solutions must be prepared at least daily or more often if the solution becomes diluted or soiled. First, disassemble and thoroughly clean all equipment immediately after use. Remove all gross food particles and soil by a preflush or prescrape and, when necessary, presoak treatment. Wash surfaces or objects with a good detergent or compatible cleaner, followed by a portable water rinse before application of the sanitizing solution. Then place back in operating position. Prepare a solution containing 100 ppm available chlorine (refer to Dilution Chart) in a volume equal to 110% of capacity. Pump the solution through the system until it is filled with sanitizer and air excluded. Close final drain valves and hold under pressure for one minute to ensure proper contact with all surfaces. Remove a portion of the cleaning solution from the drain valve and test with a chlorine test kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50 ppm available chlorine.

**SPRAY METHOD OF SANITIZING EQUIPMENT**

The spray (or fog) method is generally used to sanitize large, non-porous surfaces that have already been freed of physical soil. It is appropriate for batch pasteurizers; holding tanks, weigh tanks, tank trucks and cars, vats, tile walls, ceilings, and floors. Clean all surfaces after use. Prepare a solution containing 100 ppm available chlorine (refer to Dilution Chart). Use pressure spraying or fogging equipment designed to resist chlorine-containing solutions (e.g. rubber-coated, plastic or stainless steel). When using any other kind of spraying equipment, always empty and thoroughly rinse the spray/fog equipment with potable water immediately after treatment. Apply spray or fog heavily to all surfaces the product will touch. Thoroughly spray (or fog) all treated surfaces, corners and turns until wet. Allow at least a one minute contact time before draining. Allow excess solution to drain and air dry then place in service. Vacate area for at least two hours.

**GENERAL RINSE METHOD**

Prepare a solutions containing 100 ppm available chlorine (refer to Dilution Chart) sanitize plant floors, walls and ceilings, and also control odors in refrigerated areas and drain platforms. Generously flush or swab surfaces with the solution. After one minute contact time allow solution to drain and then air dry.

**DISINFECTION**

Prepare a 411 ppm solution; refer to dilution chart. Apply to precleaned surface with mop, cloth, sponge, brush, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 10 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**FILTRATION DEVICES**

This product is for use in filtration devices (water purification systems and its cartridges). Its purpose is to clean membranes, such as reverse osmosis membranes of fouling contaminants. One (1) dose of product is necessary to achieve reduction in fouling contaminants. Product should be used following the manufacturer's instructions. Add 3ppm available chlorine (refer to Dilution Chart) to the system water. Repeat this dosage, if necessary, until a free available chlorine (FAC) level of 0.5 – 1.0 ppm is obtained, as determined by use of a reliable test kit.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE**

Store in a cool, dry, well-ventilated area at a temperatures below 40°C/104°F. Avoid moisture getting into container

**PESTICIDE DISPOSAL**

Pesticide may be acutely hazardous. Wastes resulting from the use of this product must be disposed of on-site, or at an approved waste disposal facility.

**CONTAINER HANDLING**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill.

**PHYSICAL OR CHEMICAL HAZARDS**

**STRONG OXIDIZING AGENT:** Use only clean dry utensils. Mix only into water. Contamination with moisture, dirt, organic matter or other chemicals (including other chemicals) or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. Avoid any contact with flaming or burning material such as a lighted cigarette. Do not use this product in any chlorinating device which has been used with any inorganic or unstabilized chlorinating compounds (e.g., calcium hypochlorite). Such use may cause fire or explosion.

**WARRANTY**

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with label directions under normal conditions of use, but to the extent consistent with applicable law, neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

DILUTION CHART										
Tablet Size	0.3g		1.7g		3.3g		6.55g		13.1g	
Solution ppm (mg/L) Available Chlorine	Tablets	Quarts of Water	Tablets	Quarts of Water	Tablets	Quarts of Water	Tablets	Gallons of Water	Tablets	Gallons of Water
0.5	1	200	1	1118	1	2170	1	1076	1	2153
1	1	100	1	559	1	1085	1	583	1	1076
1.5	1	66	1	373	1	723	1	359	1	718
3	1	33	1	186	1	362	1	179	1	359
4	1	25	1	140	1	271	1	135	1	269
5	1	20	1	112	1	217	1	108	1	215
10	1	10	1	50	1	100	1	50	1	100
100	1	1	1	5	1	10	1	5	1	10
411	4	1	1	1	1	2	1	1.30	1	2.5
538	5	1	1	1	1	2	1	1	1	2
1076	10	1	2	1	1	1	2	1	1	1
2153	20	1	4	1	2	1	4	1	2	1
4306	40	1	8	1	4	1	8	1	4	1
5382	50	1	10	1	5	1	10	1	5	1

 **TRUSTMEDICAL**  
21370 Heywood Avenue  
Lakeville, MN 55044  
1-888-200-0917

EPA Reg. No. 71847-7-92281  
EPA Est. No. 71847-IRL-001  
EPA Rev. No. 28 DECEMBER 16