**DISSOLUTION CHART**

<table>
<thead>
<tr>
<th>Pathogen Minimum Dose required</th>
<th>Minimum Contact time (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ATCC 15442</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Klebsiella pneumoniae</strong> (ATCC 6538)</td>
<td>538 ppm</td>
</tr>
<tr>
<td><strong>Pseudomonas aeruginosa</strong> (ATCC 15442)</td>
<td>538 ppm</td>
</tr>
<tr>
<td><strong>Acinetobacter baumannii</strong></td>
<td>4306 ppm*</td>
</tr>
<tr>
<td><strong>Enterococcus faecalis</strong> (Vancomycin resistant) (ATCC 51575)</td>
<td>4306 ppm*</td>
</tr>
<tr>
<td><strong>Staphylococcus aureus</strong> (MRSA) &amp; glycopeptide-resistant</td>
<td>4306 ppm*</td>
</tr>
<tr>
<td><strong>Clostridium difficile</strong> (ATCC 6538)</td>
<td>1076 ppm</td>
</tr>
<tr>
<td><strong>Escherichia coli</strong> (O157:H7)</td>
<td>1076 ppm</td>
</tr>
</tbody>
</table>
| **At the doses and contact times indicated in the Usage Table.**

**NOTE TO PHYSICIAN**

- **CLOSTRIDIUM DIFFICILE DISINFECTION FOR SURFACES CONTAMINATED WITH BIOFILM**
  
  Pre-clean, rinse and disinfect surfaces where spores are likely to be found. Surfaces should be treated with a 100 ppm solution of Titan Tabs Sporicidal Disinfectant Cleaner in 1 minute. Allow solution to remain on treated surfaces for at least 4 minutes. Rinse thoroughly.

**GENERAL and HEALTHCARE DISINFECTION WITHOUT PRECLEAN DIRECTIONS:**

- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution concentration and contact times.
- For sprayer applications using a spray device, spray at appropriate pressure to wet inanimate surfaces with mop, cloth, sponge, brush, wipe, or paper towel. For cleaning and disinfecting impenetrable or inaccessible surfaces, use a sponge or cloth moistened with the solution. Remove the product by wiping with brush, sponge or cloth, or allow to act for 4 minutes before removing the product.

**HEALTHCARE and DISINFECTION/VIRUCIDAL† DIRECTIONS:**

- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution concentration and contact times.
- For sprayer applications using a spray device, spray at appropriate pressure to wet inanimate surfaces with mop, cloth, sponge, brush, wipe, or paper towel. For cleaning and disinfecting impenetrable or inaccessible surfaces, use a sponge or cloth moistened with the solution. Remove the product by wiping with brush, sponge or cloth, or allow to act for 4 minutes before removing the product.

**DOMESTIC ANIMALS**

- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution concentration and contact times.
- For sprayer applications using a spray device, spray at appropriate pressure to wet inanimate surfaces with mop, cloth, sponge, brush, wipe, or paper towel. For cleaning and disinfecting impenetrable or inaccessible surfaces, use a sponge or cloth moistened with the solution. Remove the product by wiping with brush, sponge or cloth, or allow to act for 4 minutes before removing the product.
**Titan Tabs**

**Sporicidal Disinfectant Cleaner**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**ACTUAL INGREDIENTS**

- Sodium hypochlorite

**SAFETY DATA SHEET**

**UNIQUE IDENTIFICATION**

- SKU: 101102693

**CONTAINER HANDLING**

- Keep container closed when not in use.

**STORAGE AND DISPOSAL**

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

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

- Avoid skin and eye contact.

**PRECAUTIONARY STATEMENTS**

- Keep out of reach of children.

**USAGE TABLE**

<table>
<thead>
<tr>
<th>Microorganism Type</th>
<th>Minimum Effective Concentration</th>
<th>Contact Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>**** Clostridium difficile (GRSA)****</td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td>**** Staphylococcus aureus****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Enterococcus faecalis****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Poliovirus Type 1****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Mycobacterium bovis**** (TB)</td>
<td>5382 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td>**** Mycobacterium tuberculosis**** (TB) IN 4 MINUTES AT 1000 ppm</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Hepatitis A virus**** (Strain HM175/18f)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Rotavirus Type 3****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Coronavirus SARS-CoV-2****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Rhinovirus Type 14**** (ATCC VR-284)</td>
<td>1076 ppm*</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Coxsackievirus B3**** (ATCC VR-30)</td>
<td>4306 ppm*</td>
<td>1 minute</td>
</tr>
<tr>
<td>**** Herpes Simplex Virus Type 1 (AIDS Virus)****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Herpes Simplex Virus Type 2****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Influenza virus H1N1****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Pseudomonas aeruginosa****</td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td>**** Klebsiella pneumoniae****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Klebsiella oxytoca****</td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td>**** Serratia marcescens****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Enterobacter cloacae****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Staphylococcus epidermidis****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Escherichia coli****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Pseudomonas aeruginosa****</td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td>**** Mycobacterium avium****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>**** Mycobacterium avium complex****</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
</tbody>
</table>

**NOTES TO PROVIDER**

- Effective against spore-forming bacteria in a biofilm environment.

**EMERGENCY PHONE:** 1-800-222-1222

**Questions/Comments** 1-800-558-2332

**EMERGENCY PHONE:** 1-800-222-1222
**Titan Tabs Sporicidal Disinfectant Cleaner**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**ACTIVE INGREDIENT:** Sodium hypochlorite (2%)

**LABELING INGREDIENTS:**
- Sodium hypochlorite (2%)
- Sodium carbonate

**DIRECTIONS FOR USE:**

For surface disinfection:
- Prepare a solution by adding 1 tablet to 1 gallon or 3.8 liters of water, or 1 tablet per 10 sq ft (9.3 sq m) of floor area.
- Leave solution on surface for 4 minutes, then rinse with water and let dry.

Pre-clean surfaces, wash thoroughly with soap and water, and allow to air dry before use.

**FIRST AID:**

- If swallowed:
  - Call a poison control center or doctor immediately.
- If in eyes:
  - Remove contact lenses, if worn, after first rinsing eyes and wash with abundant water for 15 to 20 minutes.
- If on skin:
  - Wash with soap and water for 15 to 20 minutes.

**PHYSICAL OR CHEMICAL HAZARDS:**

- Corrosive.
- Chemicals released from tablet.

**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.

**PESTICIDE STORAGE:**

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

**EMERGENCY PHONE:** 1-800-851-7145

**DILUTION CHART**

<table>
<thead>
<tr>
<th>ppm</th>
<th>Tablets</th>
<th>1 gallon/3.8 liters</th>
<th>1 sq ft/9.3 sq m</th>
</tr>
</thead>
<tbody>
<tr>
<td>2713</td>
<td>1</td>
<td>0.1</td>
<td>3.8 sq ft/35 sq m</td>
</tr>
<tr>
<td>1356</td>
<td>1</td>
<td>0.05</td>
<td>1.8 sq ft/17 sq m</td>
</tr>
<tr>
<td>678</td>
<td>1</td>
<td>0.025</td>
<td>0.9 sq ft/8.7 sq m</td>
</tr>
</tbody>
</table>

**PERFORMANCE AGAINST BACTERIA GROWING IN A BIOFILM**

<table>
<thead>
<tr>
<th>Bacteria</th>
<th>ppm</th>
<th>Tablets</th>
<th>Concentration</th>
<th>Contact Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staphylococcus aureus (ATCC 51442)</td>
<td>10 766 ppm</td>
<td>1</td>
<td>4 minutes</td>
<td></td>
</tr>
<tr>
<td>Staphylococcus epidermidis</td>
<td>4 306 ppm</td>
<td>1</td>
<td>4 minutes</td>
<td></td>
</tr>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>4 306 ppm</td>
<td>1</td>
<td>4 minutes</td>
<td></td>
</tr>
<tr>
<td>Enterococcus faecalis</td>
<td>400 ppm</td>
<td>1</td>
<td>10 minutes</td>
<td></td>
</tr>
<tr>
<td>Klebsiella pneumoniae</td>
<td>400 ppm</td>
<td>1</td>
<td>10 minutes</td>
<td></td>
</tr>
</tbody>
</table>

**SANITIZER PERFORMANCE**

- This product when used as directed below is effective against:
  - Mycobacterium bovis (TB)
  - Poliovirus Type 1 (ATCC VR-1000)
  - Hepatitis C virus
  - Human Immunodeficiency Virus Type 1 (HIV-1)
  - C. diff
  - Adenovirus (Strain IIIB)
  - Enterovirus (Type 1, Type 2, Type 3, Type 4, Type 5, Type 6)
  - Human adenovirus (Strain 40)
  - Enterovirus Type 117 (ATCC VR-733)
  - Rotavirus (Strain A)
  - Salmonella enterica (ATCC 10708)
  - Staphylococcus aureus (MRSA) & glycopeptide-resistant
  - Staphylococcus aureus (methicillin-resistant)
  - Staphylococcus epidermidis
  - Escherichia coli
  - Enterococcus faecalis
  - Klebsiella pneumoniae
  - Pseudomonas aeruginosa
  - Serratia marcescens
  - Candida albicans
  - Cryptococcus neoformans
  - Saccharomyces cerevisiae
  - Staphylococcus aureus (methicillin-resistant)

**LIMITATIONS AND RESTRICTIONS:**

- Not for sale to children.
- Not for personal use.
- Not for use on leather, vinyl, or highly absorbent materials.
- Not for use in chlorinating devices.
- Not for use with bleach.
- Not for use on non-porous surfaces.

**PRECAUTIONARY STATEMENTS:**

- Keep out of reach of children.
- Do not use with hot water.
- Do not use on leather, vinyl, or highly absorbent materials.
- Do not use in chlorinating devices.
- Do not use with bleach.
- Do not use on non-porous surfaces.

**Hazardous Turbans and Domestic Animals:**

- Rats, mice, ants, flies, lice, cockroaches, ticks, and other insects.

**PHYSICAL PROTECTIVE GEAR:**

- Chemical-resistant gloves and safety glasses or face shield when cleaning.

**ENVIRONMENTAL HAZARDS:**

- Corrosive.
- Chemicals released from tablet.

**EMERGENCY ASSESS AND COMPLY WITH OSHAabile:**

- If swallowed:
  - Call a poison control center or doctor immediately.
- If in eyes:
  - Remove contact lenses, if worn, after first rinsing eyes and wash with abundant water for 15 to 20 minutes.
- If on skin:
  - Wash with soap and water for 15 to 20 minutes.

**Questions? Comments**

For questions or comments regarding this product, please contact us at 1-800-558-2332.

**EMERGENCY PHONE:** 1-800-851-7145

**Dilution Chart**

<table>
<thead>
<tr>
<th>ppm</th>
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</tr>
</tbody>
</table>

**Usage Table**

<table>
<thead>
<tr>
<th>Condition</th>
<th>ppm</th>
<th>Tablets</th>
<th>Concentration</th>
<th>Contact Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface disinfection</td>
<td>10 766 ppm</td>
<td>1</td>
<td>4 minutes</td>
<td></td>
</tr>
<tr>
<td>Pre-cleaning</td>
<td>4 306 ppm</td>
<td>1</td>
<td>4 minutes</td>
<td></td>
</tr>
</tbody>
</table>

**Titan Tabs Sporicidal Disinfectant Cleaner is also effective against:**

- Clostridium difficile spores.
- Norovirus
- Respiratory syncytial virus
- Canine Parvovirus
- Feline Calicivirus
- Human Immunodeficiency Virus Type 1
- Hepatitis C virus
- Adenovirus
- Poliovirus Type 1
- Rotavirus
- Salmonella enterica
- Staphylococcus aureus
- Staphylococcus epidermidis
- Escherichia coli
- Enterococcus faecalis
- Klebsiella pneumoniae
- Pseudomonas aeruginosa
- Serratia marcescens
- Candida albicans
- Cryptococcus neoformans
- Saccharomyces cerevisiae
- Staphylococcus aureus

**Biofilm Claims:**

- Titan Tabs Sporicidal Disinfectant Cleaner is effective against biofilm-forming bacteria.

**Notes:**

- Testing has been conducted in the presence of 0.25% Bovine Serum Albumin, 0.08% Bovine Mucin, and 0.35% Yeast Extract soil load.

**SAP# 1280207**
**DANGER**

Keep out of reach of children.

**FIRST AID**

If swallowed

- Call a poison control center or doctor for treatment advice.
- Take off contaminated clothing.
- Remove contact lenses, if present, after the first 5 minutes, 15-20 minutes.
- Hold eye open and rinse slowly and gently with water for

**FACILITIES, LICENSED CARE FACILITIES, INSTITUTIONS, CATERING, VENDING MACHINES, KITCHENS, PIPES, NURSING HOMES, CHILD CARE CENTERS, DAYCARES, VETERINARY CLINICS, KENNELS, BOARDING**

Probable mucosal damage may contraindicate the use of gastric lavage.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

- Sudden, severe, or prolonged respiratory or systemic effects associated with ingestion, inhalation, or dermal contact with Sodium hypochlorite (NaClO) solution due to hypochlorous acid (HOCl), hypochlorite, chloride ions, and hypochlorite radical (OCl-).
- Avoid contact with skin, eyes, and respiratory mucosa.
- Remove contaminated clothing after washing.
- Remove contaminated clothing after washing.
- Do not use any solutions containing bleach or bleach-based products on any surface or instrument that has been in contact with infectious material.
- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution ppm (mg/L) required (minutes)

**DILUTION CHART**

<table>
<thead>
<tr>
<th>Tablets</th>
<th>Gallons of Water</th>
<th>Solution ppm (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>1</td>
<td>538 ppm 1 minute</td>
</tr>
<tr>
<td>500</td>
<td>1</td>
<td>538 ppm 2 minutes</td>
</tr>
<tr>
<td>1000</td>
<td>1</td>
<td>538 ppm 2 minutes</td>
</tr>
<tr>
<td>5000</td>
<td>1</td>
<td>538 ppm 2 minutes</td>
</tr>
<tr>
<td>10000</td>
<td>1</td>
<td>538 ppm 2 minutes</td>
</tr>
</tbody>
</table>

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

- Surface disinfection: Apply use solution to pre-cleaned, hard, non-porous, inanimate surfaces with mop, cloth, or允许 to air dry. Restrooms are to be scrubbing, until all visible soil is removed. Special attention is

**GENERAL AND HEALTHCARE DISINFECTION WITHOUT PRECLEAN DIRECTIONS**

- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution ppm (mg/L) required (minutes)

**HEALTHCARE AND DISINFECTION/VIRUCIDAL DIRECTIONS**

- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution ppm (mg/L) required (minutes)

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

- Surface disinfection: Apply use solution to pre-cleaned, hard, non-porous, inanimate surfaces with mop, cloth, or allow to air dry. Restrooms are to be scrubbing, until all visible soil is removed. Special attention is

**PRE-CLEAN RECOMMENDATIONS**

- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution ppm (mg/L) required (minutes)

**FOR THE FIRST THREE MINUTES OF APPLICATION**

- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution ppm (mg/L) required (minutes)

**FOR THE FOLLOWING THREE MINUTES OF APPLICATION**

- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution ppm (mg/L) required (minutes)

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- Pre-clean surfaces to remove soil and filth. Wipe dry. Prepare solution ppm (mg/L) required (minutes)

**FOR THE FOLLOWING THREE MINUTES OF APPLICATION**

- Pre-clean surfaces to remove!
TOTAL:

Do Not Use with Hot Water!

Can be applied with spray, mop, wipe, cloth, brush or mechanical sprayer.

Intensive Care Unit (ICU) operating rooms, dental facilities, gyms, health clubs,

If on skin or

Probable mucosal damage may contraindicate the use of gastric lavage.

KEEP OUT OF REACH OF CHILDREN

POISON CONTROL CENTER AT 1-800-222-1222

• Call a poison control center or doctor for treatment advice.

• If person is not breathing, call 911 or an ambulance, then give

• Hold eye open and rinse slowly and gently with water for

minutes.

15-20 minutes.

FIRST AID

Sanitizer Claims

Sterilant/high level disinfectant on any surface or instrument that

Notice to User: This product is not to be used as a terminal

All treated equipment that will contact food, feed, or drinking

containers (buckets) or if solution becomes diluted. Follow specific

in accordance with precautionary statements and directions.

inconsistent with its labeling. Read the entire label and use strictly

tobacco, or using the toilet. Remove and wash contaminated

handling, and before eating, drinking, chewing gum, using

making up solution. Wash thoroughly with soap and water after

DANGER

Leave surfaces wet for 10 minutes.

fluids should be autoclaved and disposed of according to federal,

Blood and other body fluids must be

containers (buckets) or if solution becomes diluted. Follow specific

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**Diversey Titan Tabs**

**Sporicidal Disinfectant Cleaner**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**ACTIVE INGREDIENT:**

- Equivalent to 31.10% active chlorine by tablet weight. Refer to dilution chart for specifications in the box.

**INSTRUCTIONS FOR USE AGAINST BACTERIA GROWING IN A DRY STATE AND/OR SURFACE-ATTACHED SPORULA**

- Can be used at a concentration of 1076ppm to 4306 ppm* available chlorine disinfectant solution when used at the contact times specified in the Usage Table.

**INSTRUCTIONS FOR USE AGAINST BACTERIA GROWING IN A HYDROSOLUBLE STATE AND/OR SURFACE-ATTACHED SPORULA)**

- Can be used at a concentration of 1076ppm to 4306 ppm* available chlorine disinfectant solution. Apply use solution to pre-cleaned, hard, non-porous, inanimate surface with mop, cloth, sponge, brush, wipe, or mechanical sprayer. Allow surface to remain wet for 4 minutes, then remove product by wiping with brush, sponge, or cloth, or allow to remain wet for 10 minutes.

**PRECAUTIONARY STATEMENTS**

- HAZARDS TO HUMANS AND DOMESTIC ANIMALS:
  - Toxic by inhalation, ingestion, skin absorption. Avoid contact with eyes, mouth, and skin.

**DISPOSAL OF INFECTIOUS MATERIALS:**

- Before using this product, food products and packaging materials should be removed. Waste should be properly identified and labeled and disposed of according to accepted waste disposal practices. Use appropriate infection control procedures and practices for the handling of potentially infectious waste.

**STORAGE AND DISPOSAL:**

- Store in a cool, dry place. The product will remain effective for 1 year from the date of manufacture. Keep out of reach of children.

**PRECAUTIONARY STATEMENTS**

- HAZARDS TO HUMANS AND DOMESTIC ANIMALS:
  - Toxic by inhalation, ingestion, skin absorption. Avoid contact with eyes, mouth, and skin.

**DISPOSAL OF INFECTIOUS MATERIALS:**

- Before using this product, food products and packaging materials should be removed. Waste should be properly identified and labeled and disposed of according to accepted waste disposal practices. Use appropriate infection control procedures and practices for the handling of potentially infectious waste.

**STORAGE AND DISPOSAL:**

- Store in a cool, dry place. The product will remain effective for 1 year from the date of manufacture. Keep out of reach of children.
**Titan Tabs**

**Sporidical Disinfectant Cleaner**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**ACTIVE INGREDIENT**: Sodium dichloro-s-triazinetrione ....................................................................... 48.21%*

**OTHER INGREDIENTS**:

- Sodium hydroxide
- Hydrochloric acid
- Distilled water
- Sodium chloride
- Food-grade citric acid

**DIRECTIONS FOR USE**

- **FIRST AID**
  - **Eye**: If on skin or in eyes, rinse with plenty of water for 15-20 minutes. If contact with the eye is not immediately removed, seek medical attention.
  - **Skin**: If on skin, wash with plenty of water for 15-20 minutes. If contact with the skin is not immediately removed, seek medical attention.
  - **Ingestion**: If swallowed, wash out mouth with plenty of water. If the swallowing is not immediately removed, seek medical attention.

- **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**
  - **First aid measures**: See above.
  - **Precautions for use**: Wear protective clothing and gloves when handling this product. Avoid contact with skin and eyes. Keep out of reach of children and pets.

**PRECAUTIONARY STATEMENTS**

**UN DESIGNATION**

- **Risk Phrases**: H314, H315, H335, H319, H337
- **Safety Phrases**: S15, S26, S31, S36, S37, S39, S40, S41

**Peroxidation and Oxidation Claims – Bacteria**

<table>
<thead>
<tr>
<th>Pathogen</th>
<th>Minimum Dose required</th>
<th>Minimum Contact time (ppm) required (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Salmonella enterica (ATCC 6538)</strong></td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td><strong>Salmonella enterica (ATCC 15442)</strong></td>
<td>538 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td><strong>Escherichia coli</strong></td>
<td>8 ppm</td>
<td>5 minutes</td>
</tr>
<tr>
<td><strong>Klebsiella pneumonia</strong></td>
<td>10 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td><strong>Enterococcus faecalis</strong></td>
<td>1076 ppm*</td>
<td>10 minutes</td>
</tr>
<tr>
<td><strong>Staphylococcus aureus</strong></td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td><strong>Streptococcus pneumonia</strong></td>
<td>1076 ppm*</td>
<td>10 minutes</td>
</tr>
<tr>
<td><strong>Streptococcus pyogenes</strong></td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td><strong>Clostridium difficile</strong></td>
<td>538 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td><strong>Staphylococcus epidermidis</strong></td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td><strong>Corynebacterium diphtheriae</strong></td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
<tr>
<td><strong>Bacillus subtilis</strong></td>
<td>4306 ppm*</td>
<td>4 minutes</td>
</tr>
</tbody>
</table>

**Virucidal Claims**

- **HIV-1**
- **Hepatitis A Virus**
- **Hepatitis B Virus**
- **Mycobacterium tuberculosis**
- **Aspergillus fumigatus**
- **Mycobacterium bovis**
- **Streptococcus pneumoniae**
- **vancomycin resistant Enterococcus faecalis**
- **Staphylococcus aureus**
- **Escherichia coli**
- **Enterococcus faecalis**
- **Klebsiella pneumonia**
- **Staphylococcus epidermidis**
- **Corynebacterium diphtheriae**
- **Bacillus subtilis**

**Storage and Disposal**

- **Storage**: Store at room temperature. Keep out of reach of children and pets. Do not expose to freezing or freezing temperatures.
- **Disposal**: Disposal of any disinfectant solution should follow local, state, and federal regulations. The product is recommended for disposal in an approved waste disposal facility.

**Questions? Comments**

1-800-558-2332

**EMERGENCY PHONE**: 1-800-558-7192

**Manufactured for**: Diversey Inc, 150 West Newnan Road, Atlanta, GA 30024

**Disclaimer**: The information contained in this data sheet is accurate to the best of Diversey's knowledge. Diversey shall not be liable for any consequential or incidental damages arising out of the use of this product. For complete product information, contact Diversey, Inc., 150 West Newnan Road, Atlanta, GA 30024.
**TITAN TABS**

**Sporidial Disinfectant Cleaner**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**ACTIVE INGREDIENTS:**
- Sodium hypochlorite (available chlorine) 5.2% ± 0.3%

**OTHER INGREDIENTS:**
- Sodiumbicarbonate, and flavoring agents

**DIRECTIONS FOR USE:**

**ON HARD NON-POROUS NON-FOOD CONTACT SURFACES**

Prepare solution strength as required, refer to Usage Table for correct doses and contact times; refer to Dilution Chart for solution strengths.

**PRECAUTIONARY STATEMENTS:**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**FIRST AID:**

**If inhaled**

- Keep person in a relaxed position and move to fresh air.
- Call emergency services.

**If swallowed**

- Do not induce vomiting.
- Call emergency services.

**If on skin**

- Remove contaminated clothing and shoes.
- Wash exposed skin with soap and water for at least 15 minutes.
- Call emergency services.

**IF IN EYES**

- Rinse eyes with copious amounts of water for at least 15 minutes.
- Call emergency services.

**DISPOSAL OF CONTAMINATED MATERIAL:**

**Shovel into authorized waste disposal facility.**

**DILUTION CHART**

**NOTE:** Read and check carefully all information, including the special instructions on this box. You will not get what you need if this step is not followed. Whenever additional information is necessary to the label, it is the responsibility of the final approver.

**Usage Table**

<table>
<thead>
<tr>
<th>Solution Strength</th>
<th>Available Chlorine</th>
<th>Contact Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>4306 ppm*</td>
<td>1 minute</td>
<td>1 minute</td>
</tr>
<tr>
<td>5382 ppm</td>
<td>1 minute</td>
<td>1 minute</td>
</tr>
<tr>
<td>1076 ppm</td>
<td>10 minutes</td>
<td>10 minutes</td>
</tr>
<tr>
<td>538 ppm</td>
<td>10 minutes</td>
<td>10 minutes</td>
</tr>
<tr>
<td>0.5 ppm</td>
<td>6 hours</td>
<td>6 hours</td>
</tr>
</tbody>
</table>

**TITAN TABS**

**PMS 072**

**SAP# 1280207**

**Questions? Comments 1-800-558-2332**

**EMERGENCY PHONE:** 1-800-851-7146

**SDS NO:** 2158

**Bar Code Type:** EAN-13

**Owner:** Diversey Inc.

**Date: 03/28/2012**

**Prepared by:** Corie Larson

**Coordinator:** Corie Larson

**Designer:** M. Gay

**Revision History:**

- 05/28/2012  2nd Edition
- 02/26/2011  1st Edition
- 02/10/2011  Initial Release

**Printed by:**

- Silo 5, Inc.
- Printing Gold Star
- Printed Code: 13240400
- Tracking: 3R0000476

**Material Type:**

- General Material Type

**Revision:** 1

**Use Code:**

- Use Code Type: 04A-94

** Coordinator:** Core Larson

**Bar Code:**

- EAN-13

**Stand:**

- Document

**Product:**

- Titan Tab

**Pack Size:** 100 tablets

**Code:**

- 44120-51

**Code Type:**

- Code Type: Localization

**Additional Information:**

- No additional information is needed for this product.
**Reference Sheet**

**Titan™ Tabs Sporicidal Disinfectant Cleaner**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**DIRECTIONS FOR USE:**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. See product label for additional precautionary statements, first aid, full directions for use and storage and disposal.

Effervescent Disinfectant Tablets for Hospitals and Institutional Use:

1 Titan Tabs Sporicidal Disinfectant Cleaner is effective against the following micro-organisms on pre-cleaned, hard, non-porous, inanimate surfaces: Salmonella enterica, Staphylococcus aureus, Pseudomonas aeruginosa, Klebsiella pneumoniae, Staphylococcus epidermidis, Escherichia coli O157:H7, Staphylococcus aureus – methicillin-resistant (MRSA) & glycopeptide-resistant (GISA), carbapenem-resistant Klebsiella pneumoniae, Acinetobacter baumannii, Streplococcus pneumoniae, vancomycin resistant Enterococcus faecalis, Poliovirus type 1, Hepatitis A virus, Hepatitis B virus, Hepatitis C virus, Human Immunodeficiency Virus Type 1 (HIV-1), respiratory syncytial virus, Canine Parovirus, Newcastle Disease Virus, Pseudorabies, Canine Distemper Virus, Feline Calicivirus, Norovirus, Coxsackievirus, Trichophyton interdigitale, Aspergillus fumigatus, Mycobacterium bovis (TB) and Clostridium difficile spores. Refer to Usage Table for solution concentration and contact times.

**Usage Table:**

<table>
<thead>
<tr>
<th>Pathogen Description</th>
<th>Minimum Dose required (ppm)</th>
<th>Minimum Contact time required (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Animal Pathogens</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canine Parovirus (ATCC VR-2017)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Herpes simplex virus type 1 (ATCC VR-733)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Newcastle Disease Virus (ATCC VR-180)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Pseudorabies (ATCC VR-135)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Feline Calicivirus (ATCC VR-782)</td>
<td>2153 ppm*</td>
<td>1 minute</td>
</tr>
<tr>
<td>Canine Distemper virus (ATCC VR-128)</td>
<td>1076 ppm*</td>
<td>1 minute</td>
</tr>
<tr>
<td>Infectious Canine hepatitis (ATCC VR-293)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Techen/Talfan disease (ATCC VR-669)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Avian influenza virus (H5N1) (ATCC VR-1608)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Porcine parovirus (ATCC VR-742)</td>
<td>1076 ppm</td>
<td>1 minute</td>
</tr>
<tr>
<td>Running &amp; Stunting virus (tongosnapiviridae) (ATCC VR-2448)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Actinobacillus pleuropneumoniae (ATCC 27088)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Bordetella bronchiseptica (thromb) (ATCC 19)</td>
<td>1076 ppm</td>
<td>1 minute</td>
</tr>
<tr>
<td>Brachyspira hydroparitisc (Treponema/Seruima) (swine dysentery) (ATCC 22164)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Gumboro disease (ATCC VR-478)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Streptococcus uberis (ATCC 9927)</td>
<td>1076 ppm</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Transmissible gastroenteritis (TGEV) (ATCC VR-743)</td>
<td>1076 ppm</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Swine Vascular disease (ATCC VR-158)</td>
<td>1076 ppm</td>
<td>30 minutes</td>
</tr>
<tr>
<td>African swine fever (ASFV)</td>
<td>1076 ppm</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Hog cholera/Classical swine fever (CSFV)</td>
<td>1076 ppm</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Avipox (fowl pox) (IPV)</td>
<td>1076 ppm</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Respiratory syncytial virus (ATCC VR-26)</td>
<td>538 ppm*</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Bovine Viral Diarrhea Virus (strain NADU)</td>
<td>4306 ppm*</td>
<td>1 minute</td>
</tr>
<tr>
<td>Duck Hepatitis B Virus (Duck Hepatitis B (DHBV))</td>
<td>4306 ppm*</td>
<td>1 minute</td>
</tr>
<tr>
<td>Porcine epidemic diarheria virus (strain Colorado)</td>
<td>1076 ppm*</td>
<td>10 minutes</td>
</tr>
</tbody>
</table>

**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, stolls, 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 appropriate solution strength for the appropriate contact time, refer to Usage Table for correct dose and contact time, and to Dilution Chart for solution preparation.
6. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and allow to air dry before reuse.
7. Ventilate buildings, cars, 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.

EPA Reg No. 71847-7-70627
Establishment No. 71847-1RL-001

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