

70271-22

12/9/2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number: 70271-22
Date of Issuance: DEC - 9 2010

Term of Issuance: Conditional

Name of Pesticide Product: Metacomet 160B

FILE COPY

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

KIK International, Inc.
c/o Delta Analytical Corp.
12510 Prosperity Drive, Suite 160
Silver Spring, MD 20904

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product (OPP Decision No. D-435203) is registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Revise the "EPA File Symbol to read, EPA Reg. No. 70271-22 "

Signature of Approving Official:

Wanda Y. Henson
Acting Product Manager Team (32)
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date:
DEC - 9 2010

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- b. The claim "Kills the source of mold allergen" is unacceptable and has been removed from page 4 of the label.
- c. The heightened efficacy claim "Powerful Germ Killer" is unacceptable and has been removed from the label.
- d. The comparison claim "The Smart Way to Disinfect" is unacceptable and has been removed from the label.

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Should you have any questions regarding this letter, please contact me either by phone at (703) 308-6345 or email at Henson.Wanda@epa.gov.

Sincerely,



Wanda Y. Henson
Acting Product Manager Team 32
Regulatory Management Branch II
Antimicrobials Division (7510P)

Enclosures: (Stamped Label)

Metacomet 160B

Active Ingredient:
Sodium Hypochlorite.....8.25%
Other Ingredients:.....91.75%
TOTAL:.....100.00%
Yields 7.86% Available Chlorine

KEEP OUT OF REACH OF CHILDREN

DANGER [: Corrosive]

FIRST AID: Call a poison control center [(1-800-222-1222)] or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.

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.

If on skin or clothing: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes.

If swallowed: Have a 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.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

See side [or back] panel for additional precautionary labeling. [additional precautions]

ACCEPTED
with COMMENTS
in EPA Letter Dated:
DEC - 9 2010

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

Manufactured by:

KIK International, Inc.
33 Macintosh Blvd.
Concord, Ontario L4K4L5

Santa Fe Springs CA 90670	EPA Est. No. 70271-CA-2
Denver CO 80207	EPA Est. No. 70271-CO-1
Auburndale FL 33823	EPA Est. No. 70271-FL-1
Hampton GA 30228	EPA Est. No. 70271-GA-1
Houston TX 77054	EPA Est. No. 70271-TX-1
Salem VA 24153	EPA Est. No. 70271-VA-1
Tacoma WA 98421	EPA Est. No. 70271-WA-1
Concord ON CN L4K4K5	EPA Est. No. 70271-CAN-1
	EPA Est. No. 55852-IL-1

[actual establishment shown in code above or below label printed on bottle]

EPA Reg. No. 70271-

NET CONTENTS _____

[BATCH CODE _____]

May be located anywhere on label

70271-22

307110

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

DANGER: Corrosive. May cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses and rubber gloves when handling this product. Wash after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

[In accordance with PR notice 95-1, the complete Environmental Hazards statement is only required for containers 5 gallons and larger; use only the heading and first sentence for smaller than 5 gallons]

Environmental Hazards

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public 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 this product to 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 and Chemical Hazards

Strong oxidizer. Flush drains before and after use. Do not use or mix with other household chemicals, such as toilet bowl cleaners, rust removers, acid or ammonia containing products. To do so will release hazardous gasses. Prolonged contact with metal may cause pitting or discoloration.

STORAGE AND DISPOSAL

Do not contaminate food or feed by storage, disposal or cleaning of equipment. Store in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of spill, flood area with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. **Container Disposal:** Non-refillable container. Do not reuse or refill this container. Offer for recycling if available or place in trash collection.

[List of Approved Organisms:]

[ATCC numbers are required on the master label, but are not required to be listed on the production label]

This product, when used as directed on hard, non-porous surfaces, is effective against the following:

FUNGICIDAL

- *Trichophyton mentagrophytes* (Athlete's foot fungus) [ATCC 9533]
- *Aspergillus brasiliensis* (mildew) [ATCC 16404]

BACTERICIDAL

- *Escherichia coli* O157:H7 (E. coli) [ATCC 35150]
- *Pseudomonas aeruginosa* (pseudomonas) [ATCC 15442]
- *Salmonella enterica* (salmonella) [ATCC 10708]
- *Shigella dysenteriae* [ATCC 13313]
- *Staphylococcus aureus* (staph) [ATCC 6538]
- Methicillin Resistant *Staphylococcus aureus* (MRSA) [ATCC 33592]
- *Clostridium difficile* spore (*C. diff*) [#] [ATCC 700792]
- *Streptococcus pyogenes* (strep) [ATCC 12344]

VIRUCIDAL

- Adenovirus type 2 [ATCC VR-846]
- Avian influenza A virus (Avian Flu virus) [ATCC VR-2072]
- Canine parvovirus [ATCC VR-2017]
- Cytomegalovirus [ATCC VR-538]
- Feline panleukopenia virus (Parvovirus) [ATCC VR-648]
- Hepatitis A virus [ATCC VR-1358, strain M-175]
- Hepatitis B virus (HBV)[*] [7/31/07 strain duck Hepatitis B from Hepadnavirus Testing, Inc.]
- Hepatitis C virus (HCV)[*] [Oregon C24v-genotype 1 Bovine Viral Diarrhea Virus]
- Herpes simplex virus type 1 (herpes) [ATCC VR-733]
- Herpes simplex virus type 2 (herpes) [ATCC VR-734]
- Human immunodeficiency virus type 1 (HIV-1)[*] [HTLV-III_B strain]
- H1N1 Influenza A virus [ATCC VR-1469, Strain A/PR/8/34]
- Influenza A virus (Strain Hong Kong) [ATCC VR-544]
- Poliovirus type 1 [ATCC VR-1000]
- Respiratory syncytial virus [ATCC VR-26]
- Rhinovirus type 37 (viruses that cause colds and flu) [ATCC VR-1147]
- Rotavirus [obtained from Univ. Ottawa, Ontario, Canada, Strain WA]

Non-food contact Sanitizer

- *Staphylococcus aureus* (staph) [ATCC 6538]
- *Enterobacter aerogenes* [ATCC 13048]

Laundry Sanitizers

- *Staphylococcus aureus* (staph) [ATCC 6538]
- *Klebsiella pneumoniae* [ATCC 4352]

[* If HIV-1, HBV, or HCV claim is used, HIV-1, HBV, HCV directions must be included on the printed label.]

[# If *Clostridium difficile* claim is used, *Clostridium difficile* directions must be included on the printed label.]

[Optional Antimicrobial Claims:] [Note: In accordance with EPA 2005 "Germs" policy, asterisk next to "germs" is optional because all three major classes of organisms are approved.]
[Choose from the following claims as appropriate, location is optional.]

Antibacterial
Antifungal
Aids in the reduction of cross-contamination between treated surfaces
Bactericide • Bactericidal
Broad Spectrum Disinfectant
Cleans [And Disinfects]
Disinfectant • Disinfecting • Disinfects
Disinfecting & Deodorizing
Disinfects [And] [Sanitizes] [And Deodorizes] [And Cleans] [Around The House]
Disinfects [,Sanitizes] [,Eliminates Mildew] [And Deodorizes]
Disinfect, Deodorize [and Kill 99.9% Of Germs[*]] [On Counters] In [Sinks] [Showers] [Bathtubs] [and] [On Vinyl and Glazed Tile Floor]
Eliminates Odors
Fights Germs[*] [And Odors]
Fungicide • Fungicidal
Germicide • Germicidal
Gets Rid Of Germs[*] [and/or Dirt]
[Helps] Prevent[s] The Spread Of The Cold And Flu Virus†† [In Your Home] [and/or Office] from treated surfaces
Home Disinfectant Essential
Hospital Disinfectant

[Note: All "Kills" claims below may start with "Also" (as in "Also kills flu...)]

Kills and prevents cross contamination of Germ[*]
[REDACTED]
Kills Athlete's Foot Fungus †† [In 5 Minutes]
Kills [or Eliminates] [or Removes] [99.9% Of] [Common Household] Germs[*] [including] [list any approved organism]
Kills [or Eliminates] [or Removes] [99.9% Of] [Germs[*]] [or Bacteria**] [or Viruses***] [Commonly Found In] [Bathrooms] [or Homes] [or Households] [or Kitchens] [or Offices]
Kills [Household] Mold [And Mildew] †
Kills 99.9% of Germs in your Laundry †††
Kills 99.9% of bacteria** that can cause food-borne illnesses
Kills Avian Influenza A virus [On Pre-Cleaned [Environmental] Surfaces]
Kills [Eliminates] Flu Virus ‡
Kills [Eliminates] MRSA †††
Kills Germs and Removes Odors
Kills Viruses That Cause Colds And Flu††
Kills Virus That Causes The Flu‡
Kills H1N1 Influenza A virus
Kills Pandemic 2009 H1N1 Influenza A virus
Kills Clostridium difficile [C. diff] On Hard Non-Porous [Environmental] Surfaces
Kills HIV-1 On Hard Non-Porous [Environmental] Surfaces
Meets OSHA Bloodborne Pathogen Standards
Mildewcide • Mildewcidal • Mildewstat[ic]

[REDACTED]
Protection Against Germs[*]
Pseudomonacidal
Reduces exposure to Methicillin Resistant Staphylococcus aureus (MRSA) from treated surfaces
Removes Stains and Disinfects
Sani-Clean
Sanitizing • Sanitizer • Sanitizes
Streptocidal
Staphylocidal

[This Product] meets AOAC [Use-Dilution test] efficacy standards [for hospital disinfectants].
This Product Has Demonstrated Effectiveness Against Influenza A Virus And Is Expected To Inactivate All Influenza A Viruses Including Pandemic 2009 H1N1 Influenza A Virus.
This Product Has Demonstrated Effectiveness Against (Influenza A Virus Tested And Listed On The Label) And Is Expected To Inactivate All Influenza A Viruses Including Pandemic 2009 H1N1 (Formerly Called Swine Flu)."
Virucide • Virucidal

[SYMBOLS connect to the corresponding symbol in the claims above. Different symbols may be used on printed label. All organisms do not have to be listed on the printed labels, but listing must be consistent with EPA guidance requirements for germs claims]

[*] *Staphylococcus aureus*, Methicillin Resistant *Staphylococcus aureus* (MRSA), *Streptococcus pyogenes*, *Salmonella enterica*, *Trichophyton mentagrophytes* (Athlete's foot fungus), *Escherichia coli* O157:H7, Influenza A virus, H1N1 Influenza A virus, Rhinovirus type 37, Avian influenza A virus (Avian Flu), *Aspergillus brasiliensis* (mildew), *Pseudomonas aeruginosa*, *Shigella dysenteriae*, Adenovirus type 2, Canine parvovirus, Cytomegalovirus, Feline panleukopenia virus (Parvovirus), Hepatitis A virus, Herpes simplex virus type 1, Herpes simplex virus type 2, Poliovirus type 1, Respiratory syncytial virus, Rotavirus, HIV-1, HBV (Hepatitis B virus), HCV (Hepatitis C virus), *Clostridium difficile* (*C. diff*)

** *Escherichia coli* O157:H7, *Pseudomonas aeruginosa*, *Salmonella enterica*, *Staphylococcus aureus* (staph), Methicillin Resistant *Staphylococcus aureus* (MRSA), *Streptococcus pyogenes* (strep), *Shigella dysenteriae*, *Clostridium difficile* (*C. diff*)

*** Adenovirus type 2, Avian influenza A virus (Avian Flu), Canine parvovirus, Cytomegalovirus, Feline panleukopenia virus (Parvovirus), Hepatitis A virus, HBV (Hepatitis B virus), HCV (Hepatitis C virus), Herpes simplex virus type 1, Herpes simplex virus type 2, Poliovirus type 1, Respiratory syncytial virus, Rotavirus, Influenza A virus, H1N1 Influenza A virus, Rhinovirus type 37

† *Trichophyton mentagrophytes* (Athlete's foot fungus) & *Aspergillus brasiliensis* (mildew)

⊕ *Aspergillus brasiliensis* (mildew)

†† *Trichophyton mentagrophytes* (Athlete's foot fungus)

††† Methicillin Resistant *Staphylococcus aureus* (MRSA)

‡ Influenza A virus –and/or- H1N1 Influenza A virus

‡‡ Influenza A virus –and/or- H1N1 Influenza A virus & Rhinovirus type 37

‡‡‡ Sanitizes: *Staphylococcus aureus* (staph) & *Klebsiella pneumoniae*

GENERAL NON-PESTICIDAL CLAIMS AND INFORMATION:

- [A more] sustainable solution for the environment
- Avoid Prolonged Contact With Metal Since Corrosion Or Discoloration May Occur
- Always Dilute In Strict Accordance With The Label Directions
- Always Mix This Product Strictly In Accordance With Label Instructions
- Anti-Allergen (non-living)
- Bleaches Out Tough Stains
- Bleach Works
- Boosts Cold Water Cleaning Power
- Boosts Cold Water Washing Power
- Boosts Laundry Cleaning Power
- Brightens Laundry
- Check To Make Sure Bottle Is Always Tightly Capped
- Cleans [and Deodorizes] [Around The House]
- Cleaning booster (even) on cold water washing
- Clean Smell[ing]
- Clean[s] White[s]
- Cold Water Booster
- Commercial/Institutional Use
- [Compatible] For Use In [High Efficiency] [or HE] Washing Machines
- Contains No Phosphorus
- Deodorizer • Deodorizes • Deodorize
- Do Not Break Open - To Be Sold As A [Two] [or Three] [or Four] Pack
- Do Not Drop
- Do Not Use This [Product] [or Bleach] At Full Strength For Cleaning [Surfaces]
- Do not use on Acetate, Leather, Silk, Spandex or Wool, Mohair and non-fast colors.
- Do Not Use This Product On Chipped Baked Enamel
- Easier To Handle, Pour, and Store Than Before
- Easy pour spout
- [Eliminates] [or Removes] Odors
- Exercise Care In Handling
- [Family] [or Giant] [or King] [or Value] Size

Fabric Friendly®
 Fiber Friendly®
 For [Use in] Standard [or Top Load] & HE [or Front Load] [Washing] Machines
 For [Use in] HE [or Front Load] [Washing] Machines
 For [Use in] Standard [or Top Load] [Washing] Machines
 For A Clean[er], Fresh[er] Household & [and] Laundry
 For odor-free laundry
 For Cold Washing
 Freshens
 Gets Even Your Dirtiest Clothes White
 Great For Cold Water [Cleaning]
 Helps to maintain your HE machine
 Helps remove odor causing residues in standard (top loading) & HE (or front loading) Washing Machines
 Helps remove odor causing residues in HE (or front loading) washing machine(s)
 HE plus 4 in 1 (or 4 in 1) ([i.e.] Cold water washing, Fabric protection, Anti-allergen (non-living) and Deodorization)
 [High Efficiency] [or HE] [Compatible]
 In-wash booster
 Just As Safe On Bleachable Fabrics As Before
 Keep Bottle[s] Upright and Tightly Capped
 Keep Upright
 Looks [and/or Smells] Clean
 More Value [Than Before]
 [Now][With] Fabric Protection
 [Now][With] Fiber Protection
 Proudly Made In [The USA] [North America]
 Product Should Be Carried and Stored In An Upright Position To Avoid Spillage
 Purest White
 Recycle [Container] ♻️
 Recyclable Container
 Reduce Your Carbon Footprint. Buy Products [Made In The USA.] [Made In North America.]
 Removes Non-living Allergens
 Removes [Tough] Stains
 Safe For All Washing Machines
 Safe On Bleachable Fabrics
 Safe on HE (or Front loading) Washing Machine
 Sparkling White
 Smaller Bottle Is Easier To Handle and Store Than Before
 Smaller is better
 Smaller bottle means easier to handle, pour and store
 Splash Resistant With An Easy Open Seal
 Takes less space in your cupboard
 The Original All Purpose Cleaner
 This Product Gets Even Your Dirtiest Clothes White
 Ultra
 Value Size [2] [or 3] [or 4] Pack
 Washing Machine Cleaner
 Wear Gloves When Cleaning For Prolonged Periods
 White Brite
 Whitens [Bleachable Fabrics]
 Whitens (and removes stains) even on cold water washing
 Whitest Whites
 Whitens [And Removes Stains]
 Works in your maintenance cycle [too]
 Works Even In Cold Water!



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FOR USE IN:

[The following headings may be placed above or in front of appropriate directions (e.g., Household Use in front of directions for dishes or floors)] [Use sites may be pluralized below]

DAYCARE CENTER
FARM [FARM]
HEALTH CLUBS
HOME
HOSPITAL
HOTEL

HOUSEHOLD [USE]
INSTITUTION
KENNEL
LOCKER ROOM
MEDICAL CLINIC
MEDICAL FACILITY

NURSING HOME
OFFICE BUILDING
RESTROOM
SCHOOL

DIRECTIONS FOR USE

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

[Use one or more of the following laundry directions as appropriate:][All numbered directions may be used in paragraph form without numbers.]

LAUNDRY [BLEACHING]:

Use to bleach white and colorfast Acrylics, Cotton, Nylon, Polyester, Rayon (test to be sure). Do not use on Acetate, Leather, Silk, Spandex or Wool, Mohair and [or] non-fast colors. Sort laundry by color and fabric. Separate whites from colors, light colors from dark colors.

[Bleach Test:] Before using, mix 1 tablespoon of bleach with ¼ cup of water in a glass, rubber, glazed porcelain, or plastic container and test a small piece of fabric in a place that doesn't show. Test all colors, including trim. Let stand one minute, then blot dry. No color change means the article can be bleached safely.

Top Loading [Machine] - Before adding clothes, mix ½ cup of bleach with water in top-loading 16 gallon machines or for large top loading automatics or larger heavily soiled loads, use 1 cup. Add clothes.

Front Loading [Machine] [-or- HE Machine] [-or- High Efficiency Machine]- Mix ¼ cup bleach with water in front-loading [or HE] 8 gallon machines. If clothes are in machine the addition of bleach can cause damage. *For HE Washers, add using the bleach dispenser following the machine manufacturer's instructions.

TOP LOAD AUTOMATIC.....½ CUP LARGE TOP LOADING AUTOMATIC.....1 CUP
FRONT LOAD AUTOMATIC.....¼ CUP LARGE/HEAVY SOILED LOADS.....1 CUP

*For HE Washers, add using the bleach dispenser following the machine manufacturer's instructions.

LAUNDRY USE:

1. Before adding clothes, mix ½ cup of bleach with water in top-loading 16 gallon machines or mix ½ cup bleach with water in front-loading [or HE] 8 gallon machines. For large top loading automatics or larger heavily soiled loads, use 1 cup. *For HE Washers, add using the bleach dispenser following the machine manufacturer's instructions.

2. Add clothes.

3. Wash and rinse with usual cycles. **[DO NOT use on Acetate, Leather, Silk, Spandex, Wool, or Mohair and [or] non-fast colors.]**

[OR: additional format:]

LAUNDRY USE:

1. Sort your laundry by color and fabric type.

2. Add ½ cup of bleach and laundry detergent to wash water. For extra large machines, add 1 cup.

3. Add laundry.

To Whiten Nylon and Other Synthetics that have turned yellow or grey: 1 tablespoon of this product per gallon water. Soak clean fabric in solution for 10 to 15 minutes. Rinse well. Repeat if necessary.

Today's permanent Press Fabrics are Bleachable and need this product to get out stains and help prevent dirt build up. Wash with regular laundry as directed: Top-load automatics – ½ cup per load. Wringer-type washers – ½ cup per load. Front-load automatics – ¼ cup per load. Use this product with any good laundry soap or detergent. If your washer has an automatic bleach dispenser, follow washer directions. If not, add this product to wash water before laundry is put in. If laundry is put in before wash water then dilute this product in quart of water and add after machine has started agitating and fabrics are thoroughly wet.

Machine Washing Directions: [use at least once per month to keep your washing machine smelling fresh and clean.] If your HE machine has a cleaning cycle, check the manufacturer's directions before use. 1. Select the hot water setting. 2. Fill the bleach dispenser to the maximum level. 3. Run the cycle until it is completed. 4. Run a rinse cycle, manually to flush out any remaining bleach.

[LAUNDRY SANITIZATION] *[Use one of the following as appropriate:]*

[Add to one of the sets of bleaching directions above: If sanitization is desired, increase to 1 cup bleach for top loading, ½ cup for front load machines. Wash and rinse with usual cycles.]

Laundering: To bleach and sanitize white and colorfast cotton, linen, nylon, Dacron, Orlon, polyester, Dynel and rayon in washing machine: 1 cup of this product per load for conventional washing machine [16 gallon]; ½ cup for front load [8 gallon] automatic. Add to pre-soak, wash water. If clothes are in machine, dilute product with 1 quart of the wash water before adding.

To Sanitize Laundry: add 1 cup of this product per load for conventional washing machine [16 gallon]; ½ cup for front load [8 gallon] automatic. If clothes are in machine, dilute product with 1 quart of the wash water before adding.

Mops, Brooms, Brushes & Rags: Pre-wash items, then soak them in bleach solution of 1 Tablespoon per gallon water for at least 10 minutes. Rinse well.

[LAUNDRY STAIN REMOVAL]

[Use one or more of the following fabric stain removal directions as appropriate:]

[To] Remove Stains: Berry, wine, coffee, tea, ink, grass, dye, medicine stains, scorch and mildew stains: Mix ¼ cup of bleach with a gallon of water. Soak stained area for 5 minutes to remove grass, ink, coffee, tea, scorch, fruit, etc. Rinse thoroughly.

[To] [Remove Stains:] Stain Removal:

1. Mix ¼ cup of bleach with a gallon of water.
2. Soak stained area for 5 minutes to remove grass, ink, coffee, tea, scorch, fruit, etc.
3. Rinse thoroughly.

[To] Remove Stains: Berry, wine, coffee, tea, ink, grass, dye, medicine stains, scorch and mildew stains: Make solutions of 1 tablespoon of this product to each quart water. Immerse fabric for 5 minutes. Rinse well in clear water. Repeat if necessary.

[NON- PESTICIDAL: SURFACES OTHER THAN LAUNDRY]

To Deodorize & Remove Allergens³ from Hard Non-porous Surfaces: Mix ½ cup bleach with 1 gallon of water and apply solution until the surface is thoroughly wet. Wipe with a clean cloth or sponge. No rinsing required.

³ - This product removes the following non-living allergens: dust mite matter [*or* particles] • cockroach matter [*or* particles] • pet dander • pollen particle allergens

For Stain Removal - Mix ½ cup with 1 gallon of water.

All surfaces: Add bleach to detergent solution, apply, rinse.

Removing [To Remove] Mold & Mildew Stains from Outdoor Patios:

1. Protect plants from overspray.
2. Use ½ cup of bleach per gallon of water to clean unsightly stains using a brush.
3. Rinse entire area, including plants, with water for 3 minutes.

For Deodorizing - Mix ½ cup bleach with 1 gallon of water.

Garbage Cans: After washing and rinsing, brush inside with solution. Empty and let drain.

For Deodorizing Drains - Pour ½ cup bleach in drain.

Drains: Pour into drain. Flush with hot water.

For Bleaching -or- Whitening - Mix ¼ cup with 1 gallon of water.

Wooden Surfaces: Apply for 3 minutes, rinse.

DISINFECTING [To Disinfect]: *[Choose one or more sets of directions as appropriate:]*

[KITCHEN]¹: *[Optional to list one or more:]* Appliances, countertops, hard non-porous plastic cutting boards, faucets, floors, freezers, garbage disposals, glass, glazed ceramic tile, linoleum, microwaves, painted woodwork, refrigerators, sinks, stoves, stove tops, trash cans, trash bins, vinyl, walls, work surfaces]

Kitchen: Clean and disinfect *[May add use site from the list above]*¹:

1. Use $\frac{3}{4}$ cup of Bleach per gallon of water.
2. Wash, rinse, or wipe surfaces and then apply disinfecting solution.
3. Let stand 5 minutes, then rinse thoroughly and air dry.

[BATHROOM]²: *[Optional to list one or more:]* Bathtubs, countertops, faucets, floors, glazed ceramic tile, glazed porcelain, showers, plastic shower curtains, shower walls, sinks, vinyl, walls]

[To Disinfect] Bathroom: Disinfect and deodorize *[May add use site from the list above]*²:

1. Use $\frac{3}{4}$ cup of Bleach per gallon of water.
2. Wash, rinse, or wipe surfaces and then apply disinfecting solution.
3. Let stand 5 minutes, then rinse thoroughly and air dry.

[To Disinfect] Kitchens and Bathrooms: Disinfect, deodorize [and kill 99.9% of germs[*]] on counters, in sinks, showers, bathtubs and on vinyl and tile[d] floors.

1. Wash surfaces with water.
2. Disinfect surfaces with a solution of $\frac{3}{4}$ cup of bleach per gallon of water.
3. Let stand 5 minutes then rinse with water and allow to dry.

Disinfecting and Deodorizing [To Disinfect [and Deodorize]] Bathrooms: To disinfect, deodorize and eliminate mold and mildew from washable surfaces such as tubs, showers, counter tops, sinks, ceramic tile and vinyl flooring

1. Spread a solution of 1 cup of this product per 1 $\frac{1}{2}$ gallons of water on clean surface.
2. Let stand for 5 minutes, then drain or rinse and air dry.

Disinfect Hard Non-porous Surfaces:

1. Use $\frac{3}{4}$ cup of Bleach per gallon of water.
2. Wash, rinse, or wipe surfaces and then apply disinfecting solution.
3. Let stand 5 minutes, then rinse thoroughly and air dry.

For Disinfecting - Mix $\frac{3}{4}$ cup bleach with 1 gallon of water.

Floors, Walls [and other hard inanimate surfaces not in direct contact with food]: Pre-wash surfaces and rinse. Spray, rinse or wipe surface with bleach solution, let stand for 5 minutes. Drain or rinse and air dry.

[To Disinfect] [and Deodorize] Disinfecting [and deodorizing] Kitchen, Dishes, Sinks:

1. Use 1/3 cup bleach mixed with 2 quarts of water to soak cleaned dishes, teapot, cups, sinks, etc. for 5 minutes.
2. Rinse with a solution of 2 teaspoons of bleach per gallon of water to prepare a 200 ppm solution. Do not use on silverware. Bleach solution can be used on glazed porcelain, baked enamel, etc. surfaces after cleaning.
3. Let air dry.

[To] Kill Germs[*] and Odors in Garbage Cans:

1. Rinse with soap and water.
2. Put a solution of $\frac{3}{4}$ cup of bleach per gallon of water in the garbage can.
3. Let stand 5 minutes then drain.

Disinfecting Children's Hard Non-porous Furniture and Toys:

1. Ensure all surfaces are colorfast. Wash all surfaces thoroughly.
2. Use a solution of $\frac{3}{4}$ cup of bleach per gallon of water to disinfect children's surfaces.
3. Let stand for 5 minutes, then rinse and allow to dry.

Sickroom Equipment: Wash all surfaces thoroughly. Rinse, then spread a solution of 1 cup of this product per 1 $\frac{1}{2}$ gallons of water over all surfaces. Let stand 5 minutes, then drain.

Special Instructions For Cleaning and Decontamination Against HIV (AIDS VIRUS), HBV (HEPATITIS B VIRUS) and HCV (HEPATITIS C VIRUS) on Surface/Objects Soiled with Blood/Body Fluids.

Kills HIV-1 (AIDS virus), HBV (Hepatitis B virus) and HCV (Hepatitis C virus) on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in healthcare 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), HBV (Hepatitis B virus) and HCV (Hepatitis C virus).

Personal Protection: Disposable latex or vinyl gloves, gowns, masks, and/or eye coverings as appropriate must be worn during all cleaning and decontamination procedures of blood and other body fluids.

Cleaning Procedures: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before applying this product.

Disinfectant Use and Contact Time: Effective against HIV-1 (AIDS virus), HBV (Hepatitis B virus) and HCV (Hepatitis C virus) on hard non-porous surfaces. Prepare disinfectant by mixing 14 fl. oz. (1 3/4 cups) of this product per 1 1/2 gallons of water to provide approximately 5,000 ppm of available chlorine. Leave surfaces wet for 5 minutes for HIV and 10 minutes for HBV/HCV. Drain and let air dry.

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.

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 bloodstream 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.

Special Label Instructions for Cleaning Prior to Disinfection against *Clostridium difficile* endospores

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 clean cloth, mop and/or sponge saturated with product intended for disinfection. Cleaning should include vigorous wiping and/or scrubbing until visible soil is removed. Special attention is needed for high-touch surfaces. Surfaces in patient rooms should be cleaned in an appropriate manner, with restrooms and other 'dirty' areas cleaned last. Do not reuse soiled cloths.

Infectious Materials Disposal: Cleaning materials used that may contain feces/wastes should be disposed of immediately in accordance with local regulations for infectious materials disposal.

For Killing *Clostridium difficile* spores: Use 1 part bleach to 7 parts water to achieve a 1:7 dilution (~ 10,000 ppm available chlorine) before use. Clean hard, non-porous surfaces by removing gross filth. Apply 1:7 solution and let stand for 10 minutes. Rinse and air dry. Do not use on non-stainless steel, aluminum, silver or chipped enamel.

Special Instructions for Inactivating AVIAN INFLUENZA A virus [in] [Veterinary Clinics] [Animal Life Science Laboratory] [Zoos] [Pet Shops] [Kennels] [Breeding and Grooming Establishments] [Animal Housing Facilities] [Poultry houses] [Hatcheries]

For cleaning and disinfecting hard, non-porous surfaces: equipment, utensils, instruments, cages, kennels, stables, and catteries. Remove all poultry [or animals] and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings, and manure from floors, walls, and surfaces of facilities occupied or traversed by poultry [or animals]. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of 3/4 cup (5.36 fl. oz.) of product per gallon of water and let stand for 5 minutes, drain and air dry. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, scrappers used in removing litter and manure. Ventilate buildings, coops, and other closed spaces. Do not house poultry [or animals] or employ equipment until treatment has been absorbed, set or dried. All treated feed/water bowls, racks, troughs, automatic feeders, fountains, and waterers must be rinsed with potable water before reuse.

[All directions below (up to the Sanitization section) were derived from EPA's 1986 Standard Sodium Hypochlorite Directions, dosages adjusted.]

NOTE: This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chlorine.

[The following "Disinfection of Non-porous Non-food Contact Surfaces," are not to be used on labels that include the claims on page 3 or the disinfection directions on the previous two pages. They were derived from EPA's 1986 Standard Sodium Hypochlorite Directions.]

Disinfection of Non-porous Non-Food Contact Surfaces

Rinse Method - Prepare a disinfecting solution by thoroughly mixing 10 fl. oz. of this product with 10 gallons of water (1:137 Dilution) to provide approximately 600 ppm available chlorine by weight. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the disinfecting solution, maintaining contact with the solution for at least 10 minutes. Do not rinse equipment with water after treatment and do not soak equipment overnight.

Immersion Method - Prepare a disinfecting solution by thoroughly mixing, in an immersion tank, 10 fl. oz. of this product with 10 gallons of water (1:137 Dilution) to provide approximately 600 ppm available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the disinfecting solution for at least 10 minutes and allow the disinfectant to drain. Do not rinse equipment with water after treatment.

Farm Premises

Remove all animals, poultry, and feed from premises, vehicles, and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities occupied or traversed by animals or poultry. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. To disinfect, saturate all surfaces with a solution of at least 1000 ppm available chlorine for a period of 10 minutes. A 1000 ppm solution can be made by thoroughly mixing 16 fl. oz. of this product with 10 gallons of water. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals or poultry, as well as the cleaned forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or poultry or employ equipment until chlorine has been dissipated. All treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers must be rinsed with potable water before reuse.

SANITIZING [To Sanitize] [Non-food contact]: [Choose one or more sets of directions from the following. Several versions of wording are offered to provide supplemental distributors with options.]

BATHROOM¹: Bathtubs, countertops, faucets, floors, glazed ceramic tile, glazed porcelain, showers, non-porous shower curtains, shower walls, sinks, vinyl, walls

Bathroom: [To] Sanitize and deodorize [May add use site from the list above]¹:

1. Use 2 teaspoons per gallon of water.
2. Wash, rinse, or wipe surfaces and then apply sanitizing solution.
3. Let stand 5 minutes, and air dry.

To Sanitize Hard Non-porous Surfaces:

1. Use 2 teaspoons of Bleach per gallon of water.
2. Wash, rinse, or wipe surfaces and then apply sanitizing solution.
3. Let stand 5 minutes and air dry.

For Sanitizing - Mix 2 teaspoons per gallon of water.

Floors, Walls: Pre-wash surfaces and rinse. Spray, rinse or wipe surface with bleach solution, let stand for 5 minutes. Drain and air dry.

Sanitizing [To Sanitize] Your Pet's Litter Boxes:

1. Wash thoroughly with water and dish detergent.
2. Sanitize with 1/2 cup of bleach mixed with a gallon of water.
3. Let stand 5 minutes then rinse with water and allow to dry.

Sanitizing [To Sanitize] Children's Hard Non-porous Furniture and Toys:

1. Ensure all surfaces are colorfast. Wash all surfaces thoroughly.
2. To kill 99.9% germs, use a solution of 2 teaspoons of bleach per gallon of water to sanitize children's surfaces.
3. Let stand for 5 minutes, then rinse and allow to dry.

SANITIZING [To Sanitize] [Toilet Bowl] *[Directions based on EPA 1986 standard. Choose one or more sets of directions from the following. Versions of wording are offered to provide supplemental distributors with options.]*

Toilet Bowls: To sanitize and deodorize pre-cleaned toilet bowls, use ¾ cup of this product.

1. Flush, pour in bleach – swab with brush, making sure to get under the rim, and
2. Let stand for 10 minutes.
3. Flush. DO NOT use with bowl cleaners or any other household chemicals.

Toilet Bowl: To sanitize and deodorize pre-cleaned toilet bowls, use ¾ cup of this product. Flush, pour in bleach – swab with brush, making sure to get under the rim. Let stand for 10 minutes. Flush. DO NOT use with bowl cleaners or any other household chemicals.

[The following directions were derived from EPA's 1986 Standard Sodium Hypochlorite Directions.]

Household Laundry Sanitizers

In Soaking Suds - Thoroughly mix 3 fl. oz. of this product to 10 gallons of wash water to provide 200 ppm available chlorine. Wait 5 minutes, then add soap or detergent. Immerse laundry for at least 11 minutes prior to starting the wash/rinse cycle.

In Washing Suds - Thoroughly mix 3 fl. oz. of this product to 10 gallons of wash water containing clothes to provide 200 ppm available chlorine. Wait 5 minutes, then add soap or detergent and start the wash/rinse cycle.

Commercial Laundry Sanitizers

Wet fabrics or clothes should be spun dry prior to sanitization. Thoroughly mix 3 fl. oz. of this product with 10 gallons of water to yield approximately 200 ppm available chlorine. Promptly after mixing the sanitizer, add the solution into the prewash prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of available chlorine, if solution has been allowed to stand. Add more of this product if the available chlorine level has dropped below 200 ppm.

Sanitization of Porous Non-Food Contact Surfaces

Rinse Method - Prepare a sanitizing solution by thoroughly mixing 10 fl. oz. of this product with 10 gallons of water to provide approximately 600 ppm available chlorine by weight. Clean surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Do not rinse equipment with water after treatment and do not soak equipment overnight.

Immersion Method - Prepare a sanitizing solution by thoroughly mixing, in an immersion tank, 10 fl. oz. of this product with 10 gallons of water to provide approximately 600 ppm available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. Do not rinse equipment with water after treatment.

Spray/Fog Method - After cleaning, sanitize non-food contact surfaces with 600 ppm available chlorine by thoroughly mixing the product in a ratio of 10 fl. oz. of this product with 10 gallons of water. Use spray or fogging equipment which can resist hypochlorite solutions. Always empty and rinse spray/fog equipment with potable water after use. Prior to using equipment, thoroughly spray or fog all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours.

Sanitization of Non-porous Non-Food Contact Surfaces

Rinse Method - Prepare a sanitizing solution by thoroughly mixing 4 fl. oz. of this product with 12 gallons of water to provide approximately 200 ppm available chlorine by weight. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Do not rinse equipment with water after treatment and do not soak equipment overnight.

Immersion Method - Prepare a sanitizing solution by thoroughly mixing, in an immersion tank, 4 fl. oz. of this product with 12 gallons of water to provide approximately 200 ppm available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. Do not rinse equipment with water after treatment.

Spray/Fog Method – Pre-clean all surfaces after use. Prepare a 200 ppm available chlorine sanitizing solution of sufficient size by thoroughly mixing the product in a ratio of 4 fl. oz. product with 12 gallons of water. Use spray or fogging equipment which can resist hypochlorite solutions. Prior to using equipment, thoroughly spray or fog all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours.

**[Directions (from other parts of the label) in Table form;
other directions from body of label may be added to table]**

DISINFECTING	Product	Water	Instructions
Floors, Walls, Bathtubs & Showers	⅓ Cup	1 Gallon	Pre-wash Surface and rinse. Spray, rinse or wipe surface with bleach solution, let stand for 5 minutes. Rinse and air dry.
SANITIZING	Product	Water	Instructions
Work Surfaces	2 teaspoons	1 Gallon	Pre-Wash with detergent, rinse cover surface with bleach solution for at least 2 minutes, drain, let air dry.
Mops, Brooms, Brushes & Rags	1 tablespoon	1 Gallon	Pre-wash items, then soak them in bleach solution for at least 10 minutes. Rinse well.
DEODORIZING	Product	Water	Instructions
Garbage Cans	½ Cup	1 Gallon	After washing and rinsing, brush inside with bleach solution. Empty and let drain.
Drains	½ Cup	-----	Flush drains. Pour into drain. Flush with hot water.
MOLD, MILDEW & STAIN REMOVAL	Product	Water	Instructions
All Surfaces	½ Cup	1 Gallon	Add bleach to powdered detergent solution. Apply, let stand for at least 5 minutes. Wipe and rinse.

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[Optional Table of Proportions]

Mix quantity of bleach with quantity of water to obtain ppm level indicated.

PPM*	Quantity of Bleach	+ Quantity of Water
5	1 Part	16,499 Parts
	1 Drop (0.0017 fl. oz.)	1 ½ Pints
	1 Tsp (0.17 fl. oz.)	15 Gallons
10	1 Part	8,249 Parts
	2 Drops (0.0034 fl. oz.)	1 ½ Pints
	1 Tsp (0.17 fl. oz.)	7 ½ Gallons
25	1 Part	3,299 Parts
	5 Drops (0.0085 fl. oz.)	1 ½ Pints
	1 Tsp (0.17 fl. oz.)	3 ½ Gallons
50	1 Part	1,649 Parts
	5 Drops (0.0085 fl. oz.)	¾ Pints
	1 Tbsp (0.5 fl. oz.)	6 Gallons
	¼ Cup (2 fl. oz.)	23 Gallons
75	1 Part	1,099 Parts
	15 Drops (0.0255 fl. oz.)	1 ½ Pints
	¼ Cup (2 fl. oz.)	15 Gallons
100	1 Part	824 Parts
	1 Tbsp (0.5 fl. oz.)	3 Gallons
	¼ Cup (2 fl. oz.)	11 Gallons
200	1 Part	412 Parts
	2 Tsp (0.34 fl. oz.)	1 Gallon
	1 Tbsp (0.5 fl. oz.)	1 ½ Gallons
	2 Tbsp (1.0 fl. oz.)	3 Gallons
	5 Tbsp (2.5 fl. oz.)	7 ½ Gallons
	¼ Cup (2 fl. oz.)	6 Gallons
	½ Cup (4 fl. oz.)	11 Gallons
	¾ Cup (5.36 fl. oz.)	16 Gallons
	2 ½ Gallons (320 fl. oz.)	1000 Gallons
400	1 Part	206 Parts
	1 Tsp (0.17 fl. oz.)	4 Cups
	1 Tbsp (0.5 fl. oz.)	¾ Gallon
	¼ Cup (2 fl. oz.)	3 Gallons
	½ Cup (4 fl. oz.)	6 Gallons
	¾ Cup (5.36 fl. oz.)	8 Gallons
	1 Cup (8 fl. oz.)	12 Gallons

PPM*	Quantity of Bleach	+ Quantity of Water
600	1 Part	137 Parts
	1 Tbsp (0.5 fl. oz.)	½ Gallons
	2 Tbsp (1 fl. oz.)	1 Gallon
	¼ Cup (2 fl. oz.)	2 Gallons
	½ Cup (4 fl. oz.)	4 Gallons
	¾ Cup (5.36 fl. oz.)	5 ½ Gallons
	7 ¾ Gallons (992 fl. oz.)	1000 Gallons
800	1 Part	102 Parts
	2 Tbsp (1 fl. oz.)	¾ Gallon
	¼ Cup (2 fl. oz.)	1 ½ Gallons
	½ Cup (4 fl. oz.)	3 Gallons
	¾ Cup (5.36 fl. oz.)	4 Gallons
1,200	1 Cup (8 fl. oz.)	6 Gallons
	1 Part	68 Parts
	1 Tbsp (0.5 fl. oz.)	¼ Gallons
	¼ Cup (2 fl. oz.)	1 Gallon
1,200	½ Cup (4 fl. oz.)	2 Gallons
	¾ Cup (5.36 fl. oz.)	2 ¾ Gallons
	1 Part	34 Parts
2,400	¼ Cup (2 fl. oz.)	2 Quarts
	¾ Cup (6 fl. oz.)	1 ½ Gallons
	1 Cup (8 fl. oz.)	2 Gallons
	3 Cups (24 fl. oz.)	7 Gallons
	7 Cups (56 fl. oz.)	14 Gallons
	1 Part	25 Parts
3,200	¾ Cup (5.36 fl. oz.)	1 Gallon
	1 Cup (8 fl. oz.)	1 ½ Gallons
5,000	1 Part	16 Parts
	1 ¾ Cup (14 fl. oz.)	1 ½ Gallons
10,000	1 Gallon (128 fl. oz.)	14 Gallons
	1 Part	7.25 Parts
	3 ½ Cups	3 ½ Cups
	2 ½ Cups (20 fl. oz.)	1 Gallon
1 Gallon (128 fl. oz.)	7 Gallons	

[*]PPM (Parts Per Million) of available chlorine (approximate)

DILUTION TABLE: PPM (Parts Per Million) Available Chlorine.

Check chlorine concentration with standard test strip

½ oz. this product (1 tablespoon) + 1 ½ gallon water = 200 ppm (approx 1:412 Dilution)

¾ cup this product + one gallon water = 3200 ppm

14 oz. this product (1¾ cup) + 1 ½ gallon water = 5000 ppm

[other ppm levels/dilutions can be added from the table above]