



**THEOCHEM LABORATORIES, INC.**  
*"Solutions for a Cleaner World"™*

# MOLDSTAT™ PLUS

**Disinfectant, Mildewstat, Fungicide**  
**For Home, School, Institutional, Industrial, Nursing Homes**

**ACTIVE INGREDIENTS:**

Octyl Decyl Dimethyl Ammonium Chloride . . . . .	6.510%
Didecyl Dimethyl Ammonium Chloride . . . . .	3.255%
Diocetyl Dimethyl Ammonium Chloride . . . . .	3.255%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride . . . . .	8.680%
<b>INERT INGREDIENTS</b> . . . . .	78.300%
<b>TOTAL</b> . . . . .	100.000%

**EPA Reg. No. 10324-72-9367    EPA Est. No. 9367-FL-1**

**DIRECTIONS FOR USE**

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

This product is not for use on medical device surfaces.

Apply this product with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surfaces must be sprayed until thoroughly wetted. Treated surfaces must remain wet for 10 minutes. For sprayer application, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray.

**NOTE:** With spray applications cover or remove all food products. Prepare a fresh solution at least daily or when use solution becomes visibly dirty. For heavily soiled areas, a preliminary cleaning is required.

**Mold and Mildew Control Directions:** Add 3/4 ounce per gallon of water to control the growth of mold and mildew and their odors on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odor reappears.

**WATER/SMOKE DAMAGE RESTORATION**

Effective against odor causing bacteria and fungi for home, institutional, industrial and hospital use. This product is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, frame lumber, tackless strip and paneling. Using solutions recommended, saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

**Sewer Backup & River Flooding:** During mitigation procedures, dilute 1/2 to 1 ounce of this product per gallon of water allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a sprayer using a coarse spray tip, before and after cleaning and extraction.

**Carpets, carpet cushions and other porous materials such as sub floors, drywall, trim and frame lumber, tackless strip and paneling:** For water damage from a clean water

source, extract excess water. Test hidden area for colorfastness. Dilute 1/2 to 1 ounce of the product per gallon of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil. Apply directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a through extraction. Dry rapidly and thoroughly.

**Special Instructions for Cleaning Carpet Against Odor Causing Bacteria:** This product may be used in industrial and institutional areas such as homes, motel & hotel chains, nursing homes, schools and hospitals. For use on wet, cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

**For portable extraction units:** Mix 1/2 ounce of this product per gallon of water.

Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

**Smoke Damage Restoration:** Effective against odor causing bacteria and fungi for home, institutional, industrial and hospital use. This product is particularly suitable for use in smoke damage restoration situations against odor causing bacteria on porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Using solutions recommended, saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

**For Schools, Industry and Non-Medical Institutional Uses:** At 1/2 ounce per gallon of water, this product delivers cleaning and germicidal effectiveness. Treated surfaces must remain wet for 10 minutes, then allow to air dry or wipe. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution at least daily or more often if solution becomes diluted or soiled. It is effective against *Staphylococcus aureus*, *Salmonella choleraesuis*, *Escherichia coli* and *Serratia marcescens*. The same AOAC tests used to confirm performance for hospitals were used.

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to small children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Wrap and discard in trash or recycle.

**General Disinfection Use Dilution Chart**

Ounces of Product	Amount of Water
0.125 ounces	1 quart
1/4 ounce	1/2 gallon
1/2 ounce	1 gallon

PRODUCT #0352 (MOLTSTAT™ PLUS)

0352/1006

**THEOCHEM LABORATORIES, INC.**  
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**www.theochem.com • EMERGENCY RESPONSE NUMBER 1-800-255-3924**

## DISINFECTION

**PREPARATION OF USE SOLUTION:** For water hardness up to 400 ppm add a 1/2 ounce per gallon of water (1:256) to disinfect hard non-porous surfaces. Treated surfaces must remain wet for 10 minutes.

**Disinfection Directions:** Apply use solution to hard inanimate, non-porous surfaces, thoroughly wetting surfaces as recommended and required, with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray.

Before using this product, food products and packaging materials must be removed from the room or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

Add 1/2 ounce per gallon (4 milliliters per liter) of water to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution at least daily or when use dilution becomes diluted or soiled.

**NON-ACID TOILET BOWL AND URINAL DISINFECTANT/CLEANER DIRECTIONS** Remove gross filth prior to disinfection.

**From Concentrate:** Add 1/2 ounces to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim with a cloth, mop, or sponge. Allow to stand for 10 minutes and flush.

**From Use solution:** Empty toilet bowl or urinal and apply a 1/2 ounce per gallon use solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow to stand for 10 minutes and flush. For sprayer application, use a coarse spray device.

**For Heavy Duty cleaning:** Empty toilet bowl or urinal and apply 2 ounces per gallon use solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow to stand for 10 minutes and flush. For sprayer application, use a coarse spray device.

**Fungicidal against:** At 3/4 ounces per gallon use-level, this product is effective against: Trichophyton mentagrophytes Candida albicans

### Fungicidal Use Dilution Chart

Ounces of Product	Amount of Water
3/8 ounce	1/2 gallon
3/4 ounce	1 gallon
1 1/2 ounces	2 gallons

**Fungicidal Activity:** At 3/4 ounces per gallon use-level, this product is effective against Trichophyton mentagrophytes (the fungus which causes athlete's foot) (a cause of Ringworm) and Candida albicans when used in areas, such as locker rooms, dressing rooms, shower and bath areas, and exercise facilities on inanimate, hard non-porous surfaces in the presence of 5% blood serum and 400 ppm water hardness as CaCO<sub>3</sub>. Treated surface must remain wet for 10 minutes. Allow to air dry.

This product is bactericidal according to the AOAC Use Dilution Test method modified in the presence of 5% organic serum against:

Campylobacter jejuni ATCC 29428  
Proteus vulgaris  
Corynebacterium ammoniagenes ATCC 6871  
Pseudomonas aeruginosa ATCC 15442  
Enterobacter aerogenes ATCC 13048  
Pseudomonas aeruginosa ATCC 25415  
Enterobacter cloacae  
Enterococcus faecalis ATCC 19433  
Salmonella choleraesuis ATCC 10708  
Enterococcus faecium (Vancomycin resistant)  
Salmonella typhi ATCC 6539  
Escherichia coli ATCC 11229  
Serratia marcescens ATCC 43861  
Escherichia coli (Antibiotic resistant)  
Shigella dysenteriae ATCC 9361  
Escherichia coli 0157:H7  
Shigella flexneri

Legionella pneumophila  
Shigella sonnei  
Klebsiella pneumoniae ATCC 13883  
Staphylococcus aureus ATCC 6538  
Klebsiella pneumoniae (Antibiotic resistant)  
Staphylococcus aureus (Methicillin resistant) ATCC 33591  
Listeria monocytogenes ATCC 98  
Proteus mirabilis  
Staphylococcus epidermidis (antibiotic resistant)  
Salmonella schottmuelleri ATCC 8759  
Streptococcus pyogenes ATCC 19615  
Staphylococcus aureus (Methicillin resistant) ATCC 33591  
Listeria monocytogenes ATCC 98  
Proteus mirabilis  
Staphylococcus epidermidis (antibiotic resistant)  
Salmonella schottmuelleri ATCC 8759  
Streptococcus pyogenes ATCC 19615

Great for use in the kitchen, bathroom, floors and other household areas.

Antibacterial. Kills germs. Kills household bacteria.

It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling. Eliminates odors caused by bacteria and mildew.

This product is specially formulated to effectively eliminate offensive odors caused by mold and mildew.

This product is effective at controlling mold and mildew on shower curtains. This product cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label.

This product is a concentrated hospital use disinfectant that is effective against a broad spectrum of bacteria, is fungicidal, and eliminates odor causing bacteria when used as directed.

Cross contamination is of major housekeeping concern. This product has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but in schools, institutions and industry.

When used as directed, this product will deodorize surfaces in rest room and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

### FIRST AID

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

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

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

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

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

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

EMERGENCY RESPONSE NUMBER 1-800-255-3924

### PHYSICAL OR CHEMICAL HAZARDS

Do not mix with oxidizers, anionic soaps and detergents.