



Chemical
Delivery
Systems

A TOTALLY NEW CONCEPT IN CLEANING

APM #23 MD256

Disinfectant - Cleaner - Fungicide
Mildewstat - Virucide* - Deodorizer for Hospitals

DILUTION: 1:256
1/2 OUNCE PER GALLON OF WATER

ACTIVE INGREDIENTS:

Octyl decyl dimethyl ammonium chloride..... 3.750%
Dioctyl dimethyl ammonium chloride..... 1.500%
Didecyl dimethyl ammonium chloride..... 2.250%
Alkyl (C₁₄, 50%; C₁₂, 40%; C₁₆, 10%)
dimethyl benzyl ammonium chloride 5.000%

INERT INGREDIENTS 87.500%
TOTAL 100.00%

EPA Reg No. 421-434-1190

EPA Est. No. 1190-IL-01

Cross-contamination is of major concern not only in hospitals, but in schools, institutions and industry. This quaternary ammonium cleaner-disinfectant is formulated for this problem area. It both cleans and disinfects effectively and is virucidal when used as directed. Its hard surface disinfecting action will reduce the hazard of cross-contamination from environmental surfaces.

When used as directed, this quaternary ammonium cleaner-disinfectant will deodorize toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas and will inhibit the growth of mold and mildew and their odors when used as directed. This product is economical to use because it is highly concentrated and should be handled with care.

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.

This quaternary ammonium cleaner-disinfectant is a proven "one-step" cleaner-disinfectant-sanitizer-fungicide-virucide in the presence of moderate amounts of organic soil. Apply this quaternary ammonium cleaner-disinfectant to walls, floors and other hard (inanimate), non-porous surfaces such as tables, chairs, countertops, and sinks with a cloth, mop or coarse spray so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

Disinfection: To disinfect hard, non-porous surfaces: Add 1/2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At this use-level, this quaternary ammonium cleaner-disinfectant is also virucidal and fungicidal. Wipe surfaces dry with cloth, mop, sponge, or allow to air dry. Rinse food contact surfaces such as counters, tables, stove tops with potable water. Do not use on dishes, glasses, utensils, or cookware.
1/2 oz. per gallon use-level: The broad spectrum activity of this quaternary ammonium cleaner-disinfectant has been evaluated in the presence of 5% serum and found to be effective against the following by the A.O.A.C. Use-Dilution Test.

Pseudomonas aeruginosa • Staphylococcus aureus • Escherichia coli •

Salmonella choleraesuis • Klebsiella pneumoniae •

Enterobacter aerogenes • Streptococcus faecalis • Shigella dysenteriae •

Brevibacterium ammoniagenes • Salmonella schottmuelleri

A.O.A.C Fungicidal Test: This quaternary ammonium cleaner-disinfectant is effective against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, shower and bath areas, exercise areas, dressing rooms.

Mildewstatic Performance: At 1/2 oz. per gallon, this quaternary ammonium cleaner-disinfectant will effectively inhibit the growth of mold and mildew and odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

***Virucidal Performance:** At 1/2 oz. per gallon, this quaternary ammonium cleaner-disinfectant was evaluated in the presence of 10% serum and found to be effective against the following viruses: Herpes Simplex Type 1 and Type 2 (a member of the virus family that causes infectious mononucleosis), Vaccinia (representative of the pox viruses), and Influenza A2 (the Hong Kong flu virus) and HIV-1 (AIDS virus) on hard, non-porous, inanimate environmental surfaces.

***KILLS HIV 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).

"SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS"

CONTACT TIME: Leave surface wet for 10 minutes with 1/2 oz. per gallon use-solution.

CLEANING PROCEDURE: Blood and other body fluids containing HIV must be thoroughly cleaned from surfaces/objects before application of this product.

PERSONAL PROTECTION: Clean up should always be done wearing protective latex gloves, gowns, masks and eye protection.

DISPOSAL OF INFECTIOUS MATERIAL: Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

Precautionary Statements -

Hazards to Humans & Domestic Animals

DANGER: KEEP OUT OF REACH OF CHILDREN:

Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses), protective clothing, and rubber gloves. Wash thoroughly with soap and water after handling 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 in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **If on skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water 15-20 minutes. 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 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 ambulance, then give artificial respiration, preferably by 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container closed when not in use in an area inaccessible to persons unfamiliar with its use. Do not store below 32°F or above 100°F. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL:** Do not reuse empty container (bottle, can, bucket). Wrap (container) and put in trash.

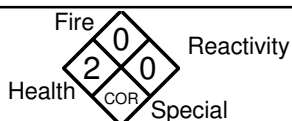
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HAZARD RATING

4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT



MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910.1200)

Date Prepared: 12-12-06

SECTION 1 - PRODUCT IDENTIFICATION

Company Name	Daley International	Emergency Telephone No.	1-800-535-5053
Address	4100 W. 76th Street, Chicago, IL 60652	Information Telephone No.	773-284-6565
Product Name / ID#	APM #23 M.D. 256 (1627)	Product Type	Disinfectant / Cleaner <input checked="" type="checkbox"/> Proprietary Product

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride	68424-85-1	5.00	NA
Dialkyl (C ₈ /C ₁₀ 50%, C ₁₀ /C ₁₀ 25%, C ₈ /C ₈ 25%) dimethyl ammonium chloride	68424-95-3	7.50	NA
Ethanol	64-17-5	1.5-2.50	1000 ppm

* Substances Contains no substances - subject to the reporting requirements of SARA 313 and 40 CFR Part 372.

SECTION 3 - PHYSICAL DATA

Boiling Point (°F)	212°F	Specific Gravity (H ₂ O=1.0)	1.027 ± 0.005	pH	10.0 ± 0.5	% VOC (ww)	2.3%
Solubility In Water	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable or (Dispersible) <input type="checkbox"/> Slight (or Partial)						
Evaporation Rate (vs H ₂ O)	<input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same		Vapor Pressure	NE		Vapor Density	NE
Appearance and Odor	Clear, green liquid. Mint odor.						

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	<input checked="" type="checkbox"/> None to boiling		Flammable Limits	Upper	NA	Lower	NA
Extinguishing Media	NA						
Special Fire Fighting Procedures	NA						
Unusual Fire Explosion Hazards	NA						

SECTION 5 - REACTIVE DATA

Stability	Stable	Incompatibility	Anionics, strong oxidizers or reducing agents.
Hazardous Decomposition Products	None		

SECTION 6 - HEALTH HAZARDS

Threshold Limit Value Product See Section 2 for Ingredients TLV	<input checked="" type="checkbox"/> None Established <input type="checkbox"/> Not Applicable	Primary routes of Exposure	<input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation
Signs Symptoms of Over-exposure (Acute)	Irritating to eyes and/or skin. Mists or vapors may be irritating to the mucous membranes. Burning sensation to digestive system. Harmful if swallowed.		
Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.			
Signs Symptoms of Over-exposure (Chronic)	Unknown		
Medical Conditions Aggravated by Over-exposure	Unknown		
Carcinogen/Suspected Carcinogen Ingredients:	<input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> None		

SECTION 7 - FIRST AID PROCEDURES - (If any Condition persists - Consult a physician.)

Eyes	Hold eye open & rinse with water for 15-20 min. Remove contact lenses, if present, after the first five min, then rinsing eyes. Call poison control center or doctor for advise.
Skin	Take contaminated clothing. Rinse skin immediately with plenty of water for 15-20 min. Call poison control center or doctor for treatment advise.
Ingestion	Call poison control center or doctor immediately for treatment advise. Have person sip a glass of water if able to swallow. Do not induce
Inhalation	Remove to fresh air. Give oxygen or artificial respiration as necessary.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	None normally required .Use NIOSH approve respirator for organic vapors if excessive misting occurs.		
Ventilation requirements	<input checked="" type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical	To keep below any listed TLV or for general good ventilation.	
Protective Gloves	Rubber	Eye Protection	Safety glasses or goggles.
Other Protective Clothing	None		

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled	Contain spill. Absorb on clay or rags. Do not contaminate water, food or feed. omitting unless told by poison control person or doctor. Do not give anything by mouth to an unconscious person.
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Waste Disposal Methods Open dumping is prohibited. Check all government regulations relating to pesticides.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in handling and Storage	Avoid breathing spray mist. Wash thoroughly after handling. Do not reuse empty container. Keep out of reach of children.
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