



ASHBURN

CHEMICAL TECHNOLOGIES

DISINFECTANTS AND SANITIZERS TRAINING

Terminology

Germicide

- A chemical agent that kills disease germs but not necessarily fungi and spores.

Disinfectant

A product that will completely destroy/kill all specific test organisms in 10 minutes under the conditions of the AOAC Use Dilution Tests.

Sanitizer

A Product that destroys 99.9% of specified test organisms in 30 seconds under conditions of the Official Detergent Sanitizer Test.

Designed for use especially on food processing equipment and surfaces.

Phenolic Compounds

Recommended Use

Bactericidal - Excellent

Fungicidal - Excellent

Tuberculocidal - Excellent

Virucidal - Excellent

How They Work

Gross protoplasmic poison

Disrupts cell walls

Precipitates cell proteins

Low concentrations inactivate essential enzyme systems

Advantages

Nonspecific concerning bactericidal and fungicidal action

When boiling water would cause rusting the presence of phenolic substances produces an anti-rusting effect

Disadvantages

Unpleasant odor

Some areas have disposal restrictions

Effectiveness reduced by alkaline pH, natural soap or organic material

No Sporacidal

Quaternary Ammonium Compounds

(QUATS)

Recommended Use

Ordinary housekeeping (e.g. floors, furniture, walls)

Bactericidal – Excellent

Fungicidal -Good

Virucidal – Good (not as effective as phenols)

How They Work

Affects proteins and cell membrane of microorganism

Releases nitrogen and phosphorous from cells

Advantages

Contains a detergent to help loosen soil

Rapid action

Colorless, odorless

Non-toxic, less corrosive

Highly stable

May be used on food prep surfaces

Disadvantages

Does not eliminate spores, TB bacteria, some viruses

Effectiveness influenced by hard water

Layer of soap interferes with action

Kills:	Hospital Disinfectant Deodorant PDF Room Fogger AEROSOL	Hospital Disinfectant Deodorant PD AEROSOL	Foaming Germicidal Cleaner AQD AEROSOL	Hospital Spray Disinfectant ASQD (Air Sanitizer) AEROSOL	Final Stop No Rinse Sanitizer Concentrate LIQUID	Non-Acid Disinfectant Ready To Use LIQUID
Listed On EPA List N: for use against SARS-CoV-2 (Covid 19)	✓	✓	✓	Pending		✓
MRSA	✓	✓	✓	✓		✓
Influenza A Virus	✓	✓	✓			✓
Hiv-1 (Aids)	✓	✓	✓	✓		✓
H1N1	✓	✓				✓
Avian Influenza	✓	✓			✓	
Salmonella	✓	✓	✓	✓	✓	✓
Staphylococcus	✓	✓	✓	✓	✓	✓
Herpes Type 1	✓	✓	✓			✓
Herpes Type 2	✓	✓	✓			✓
Tubercle Bacilli	✓	✓				
E Coli	✓	✓			✓	✓
Streptococcus	✓	✓			✓	✓
Athletes Foot	✓	✓	✓	✓	✓	✓
Influenza A2	✓	✓				
Pseudomonas Aeruginosa	✓	✓	✓	✓	✓	✓
Controls Mold & Mildew	✓	✓	✓	✓	✓	✓

	Hospital Disinfectant Deodorant PDF Room Fogger <u>AEROSOL</u>	Hospital Disinfectant Deodorant PD <u>AEROSOL</u>	Foaming Germicidal Cleaner AQD <u>AEROSOL</u>	Hospital Spray Disinfectant ASQD (Air Sanitizer) <u>AEROSOL</u>	Final Stop No Rinse Sanitizer Concentrate (<u>LIQUID</u>)	Non-Acid Disinfectant Ready To Use (<u>LIQUID</u>)
Primary Use	Room Fogger	Surface Disinfectant	Cleaner/Disinfectant	Air Sanitizer Surface Disinfectant	Surface Sanitizer	RTU All Purpose Cleaner and Disinfectant
Primary Ingredients	Phenolic & Ethanol	Phenolic & Ethanol	Quaternary	Quaternary & Ethanol	Quaternary	Quaternary
Applications	Coverage for entire rooms/enclosed spaces	Sanitizes and disinfects office equipment, telephones, toilet seats, urinals, sinks, showers, refuse cans etc.	Designed for cleaning, deodorizing, and disinfecting for homes, hospitals, nursing homes, schools, hotels and food processing establishments.	Sanitizes and disinfects telephones, toilet seats, urinals, sinks, showers, refuse cans, and office equipment.	Designed for markets requiring a no-rinse sanitizer in food contact applications	For use on hard surfaces including porcelain, ceramic tile, fiberglass, formica, urinals, sinks, toilets, shower stalls, walls, floors and counter tops.
Comparable products		<ul style="list-style-type: none"> Misty Disinfectant & Deodorant II Spartan Steriphene II 	<ul style="list-style-type: none"> Lysol Max Foamer Scrubbing Bubbles Disinfectant Bathroom Cleaner 	<ul style="list-style-type: none"> Lysol Disinfectant Clorox Citrace Hospital Disinfectant Sparsan Q 	<ul style="list-style-type: none"> Lysol No Rinse Sanitizer Spartan Sani-T 10 Zep No Rinse Sanitizer 	<ul style="list-style-type: none"> Clorox Quaternary Disinfectant Cleaner Spartan NABC Betco AF79 Non-Acid Disinfectant Virex
						

Hospital Disinfectant Deodorant PDF

Aerosol Fogger

- Disinfectant, antimicrobial agent and two-way deodorizer for use on pre-cleaned, hard, nonporous surfaces. EPA Registered.
- Use as a fogger as an adjunct or supplement to normal cleaning & disinfecting procedures and practices.

Part #	Size
M-03080	8 oz Aerosol Can 6 oz Net Wt. (12/Case)



Applications

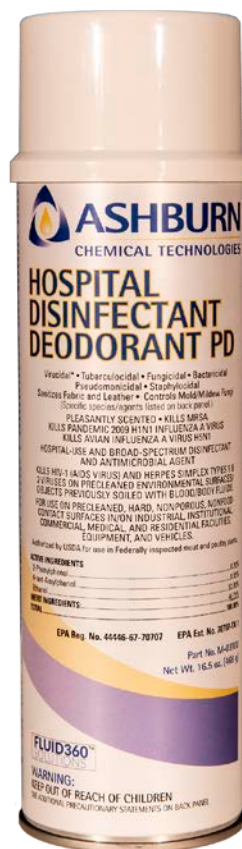
For use in industrial, institutional, commercial, medical and residential facilities, equipment and vehicles including hospitals, ambulances, nursing homes, medical and dental offices and clinics; veterinary offices and animal areas; schools, libraries, laboratories, hotels and motels; restaurants and cafeterias; food storage, processing, packaging, handling and service establishments and equipment; offices, stores and more.

Hospital Disinfectant Deodorant PD

Aerosol Surface Disinfectant

- Powerful germicidal and broad-spectrum disinfectant and antimicrobial agent. EPA Registered
- Effective virucide, bactericide, tuberculocide, and fungicide on hard non-porous surfaces when used as a disinfectant.

Part #	Size
M-03100	20 oz Aerosol Can 16.5 oz Net Wt. (12/Case)



Applications

Sanitizes and disinfects telephones, toilet seats, urinals, sinks, showers, refuse cans, and office equipment. For use in medical, dental, and health care facilities; including nursing homes, and veterinary clinics. Recommended for prisons, police and fire departments, hotels/motels, funeral services and crematoriums, dairy farms, sports and recreational clubs, beauty shops and food processing plants.

Foaming Germicidal Cleaner AQD

Aerosol

- Clinging foam cleans as it disinfects. Kills germs while cleaning away dirt, grease, soap scum and oil. EPA Registered.
- Designed for cleaning, deodorizing and disinfecting in hospitals, nursing homes, schools, hotels and food processing establishments.

Part #	Size
M-02170	20 oz Aerosol Can 18 oz Net Wt. (12/Case)



Applications

Designed for cleaning, deodorizing, and disinfecting for homes, hospitals, nursing homes, schools, hotels and food processing establishments. This product is effective where housekeeping is of prime importance in controlling cross-contamination from treated surfaces.

Hospital Spray Disinfectant ASQD

Aerosol Air Sanitizer

- Disinfectant, deodorant and air sanitizer with a quaternary disinfectant for quick, effective germicidal action. EPA registered.
- Designed for use in homes, hospitals, nursing homes, offices, institutions, schools, motels and hotels.

Part #	Size
M-03290	20 oz Aerosol Can 16.5 oz Net Wt. (12/Case)



Applications

Sanitizes and disinfects telephones, toilet seats, urinals, sinks, showers, refuse cans, and office equipment. For use in medical, dental, and health care facilities; including nursing homes, and veterinary clinics. Recommended for prisons, police and fire departments, hotels/motels, funeral services and crematoriums, dairy farms, sports and recreational clubs, beauty shops and food processing plants.

Final Stop - No Rinse Sanitizer

Liquid

- Concentrated, one-step, multi purpose disinfectant, sanitizer, and deodorant.
- Kills 99.9% of bacteria. EPA Registered.
- Designed for markets requiring a no rinse sanitizer in food contact applications.

Part #	Size
M-03581	1 Gal
M-03585	5 Gal



Applications

For use in hospitals, nursing homes, medical clinics, dental offices, colleges, office buildings, hotels and motels, airports, restaurants, bars, federally inspected meat and poultry plants, veterinary clinics and animal life science laboratories, tack shops, pet shops, breeding and grooming establishments, kennels, poultry and turkey farms, equine farms, dairy farms and hog farms.

Non-Acid Disinfectant Cleaner

Liquid

- Ready-to-use disinfectant, cleaner, fungicidal, mildewstat, virucide and deodorizer. EPA Registered.
- Formulated to aid in the reduction of cross-contamination on treated surfaces

Part #	Size
M-03579	1 QT. (12/Case)
M-03571	1 Gal
M-03575	5 Gal
M-03577	55 Gal



Applications

For use on hard surfaces including porcelain, ceramic tile, fiberglass, formica, urinals, sinks, toilets, shower stalls, walls, floors and counter tops. Areas of use include offices and work spaces, hospitals and nursing homes, schools, sports and recreational facilities, airports, beauty shops, janitorial services, retail areas, convenience stores, public areas and many others.

Hand Sanitizer

Liquid

- An Alcohol-based Liquid hand sanitizer that evaporates quickly.
- Recommended for repeated use to help decrease bacteria on the skin.
- FDA NDC Registered

Part #	Size
M-05029	1 QT. (12/Case)
M-05021	1 Gal (4/Case)
M-05025	5 Gal
M-05027	55 Gal
M-05023	275 Gal





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