



# Q-128

## ONE-STEP GERMICIDAL DETERGENT AND DEODORANT

REFRESH

**PRODUCT DESCRIPTION:** A multi-purpose, neutral pH, germicidal detergent and deodorant effective in hard water up to 200 ppm (calculated as  $\text{CaCO}_3$ ) in the presence of a moderate amount of soil (5% organic serum) according to the AOAC Use-dilution Test. Disinfects, cleans, and deodorizes in one labor-saving step. Follow the directions for use on the pesticide label when applying this product.

### EFFECTIVE AGAINST THE FOLLOWING PATHOGENS:

*Pseudomonas aeruginosa*<sup>1</sup>  
*Salmonella enterica*  
*Staphylococcus aureus*<sup>1</sup>

*Acinetobacter baumannii*  
*Acinetobacter calcoaceticus*  
*Bordetella bronchiseptica*  
*Chlamydia psittaci*  
*Enterobacter aerogenes*  
*Enterobacter cloacae*  
*Enterobacter cloacae* - NDM-1  
*Enterococcus faecalis* - Vancomycin Resistant [VRE]

*Escherichia coli*<sup>1</sup>  
*Escherichia coli* - NDM-1  
*Fusobacterium necrophorum*

*Klebsiella pneumoniae*<sup>1</sup>  
*Klebsiella pneumoniae* - NDM-1  
*Legionella pneumophila*  
*Listeria monocytogenes*  
*Pasteurella multocida*  
*Proteus mirabilis*  
*Proteus vulgaris*  
*Salmonella enteritidis*  
*Salmonella typhi*  
*Salmonella typhimurium*

*Serratia marcescens*  
*Shigella flexneri*  
*Shigella sonnei*  
*Staphylococcus aureus* - Community Associated Methicillin-Resistant [CA-MRSA] [NRS384] [USA300]  
*Staphylococcus aureus* - Community Associated Methicillin-Resistant [CA-MRSA] [NRS123] [USA400]  
*Staphylococcus aureus* - Methicillin resistant [MRSA]  
*Staphylococcus aureus* - Vancomycin Intermediate Resistant-[VISA]  
*Staphylococcus epidermidis*<sup>2</sup>  
*Streptococcus faecalis*<sup>1</sup>  
*Streptococcus pyogenes* [Strep]  
\*Adenovirus Type 4  
\*Vaccinia  
\*Herpes Simplex Virus Type 1  
\*Herpes Simplex Virus Type 2  
\*HIV-1 (AIDS virus)  
\*Hepatitis B Virus (HBV)  
\*Hepatitis C Virus (HCV)  
\*Human coronavirus  
\*Rotavirus  
\*Respiratory Syncytial Virus (RSV)  
\*Rubella virus  
\*Influenza A Virus/Hong Kong

\*SARS Associated Coronavirus  
\*Avian Influenza (H5N1)  
\*Avian polyomavirus  
\*Canine distemper  
\*Equine Herpes Virus Type 1  
\*Feline coronavirus  
\*Feline leukemia  
\*Feline panleukopenia virus  
\*Feline picornavirus  
\*Infectious bovine rhinotracheitis  
\*Infectious bronchitis [Avian IBV]  
\*Newcastle Disease  
\*Porcine parvovirus  
\*Pseudorabies [PRV]  
\*Rabies  
\*Transmissible Gastroenteritis virus [TGE]  
*Aspergillus niger*  
*Candida albicans*  
*Trichophyton mentagrophytes*

<sup>1</sup>ATCC & antibiotic-resistant strain  
<sup>2</sup>antibiotic-resistant strain only

Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).

### PRODUCT SPECIFICATIONS:

pH (concentrate)	7.2 - 8.2
Appearance	Clear Liquid
Fragrance	None Added
Freezing Point	Not Known
Solubility in Water	Complete
Flash Point	N/A

### ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride	5.07%
n-Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%) dimethyl benzyl ammonium chloride	3.38%
Inert Ingredients	91.55%
<b>TOTAL</b>	<b>100.00%</b>

### EPA REGISTERED:

EPA Reg. No. 47371-130-1124  
EPA Est. No. 62511-KS-1

DILUTIONS	HEALTH	FLAMMABILITY	REACTIVITY
CONCENTRATE	NFPA 3 HMIS	NFPA 1 HMIS	NFPA 0 HMIS
CONCENTRATED			
PROPORCIÓN	SALUD	INFLAMABILIDAD	REACTIVIDAD

0	1	2	3	4
Minimal	Slight	Moderate	Serious	Severe
Mínimo	Mínimo	Moderar	Grave	Drástico

For use in hospitals and nursing homes as a disinfectant. Use in schools, colleges, universities, commercial and industrial institutions, office buildings, veterinary clinics, animal life science laboratories, tack shops, pet shops, airports, kennels, hotels, motels, breeding establishments and grooming establishments. Disinfects, cleans and deodorizes the following hard nonporous inanimate surfaces: floors, walls, (non-medical) metal surfaces, (non-medical) stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, etc.). For use in: Federally inspected meat and poultry plants on all hard, nonporous surfaces in inedible product processing areas, non-processing areas, and/or exterior areas. All surfaces must be thoroughly rinsed with potable water.

### 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.

DILLUTION: 1:128, 1 ounce per gallon of water (660 ppm quat)

**DISINFECTION/CLEANING/DEODORIZING DIRECTIONS:** Remove heavy soil deposits from surface, then thoroughly wet surface with a use-solution of 1 oz. of the concentrate per gallon of water. The use-solution can be applied with a cloth, mop, sponge, or coarse spray, or soaking. For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface, rub with a brush, cloth or sponge. Do not breathe spray. Let solution remain on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. Food contact surfaces must be thoroughly rinsed with potable water. This product must not be used to clean the following food contact surfaces:

utensils, glassware and dishes. **For Human Coronavirus**, treated surfaces must remain wet for 1 minute. Wipe dry with a clean cloth, sponge or mop or allow to air dry. **For Influenza Virus Type A**, treated surfaces must remain wet for 2 minutes. Wipe dry with a clean cloth, sponge or mop or allow to air dry.

**MILDEWSTATIC INSTRUCTIONS:** Will effectively control the growth of mold and mildew, plus the odors caused by them when applied to hard, nonporous surfaces such as walls, floors, and table tops. Apply use-solution of 1 ounce per gallon of water with a cloth, mop, sponge, or coarse spray. Make sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears. **FUNGICIDAL DIRECTIONS:** For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities follow disinfection directions.

**\*KILLS HIV-1 (AIDS VIRUS) AND HBV (HEPATITIS B VIRUS) AND HCV (HEPATITIS C VIRUS) ON PRE-CLEANED, HARD NON-POROUS 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 / body fluids, and in which the surfaces / objects likely to be soiled with blood / body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type I (HIV-1) (associated with AIDS) or Hepatitis B Virus (HBV) or Hepatitis C Virus (HCV).

**SPECIAL INSTRUCTIONS FOR DISINFECTION, CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) HBV OR HCV ON SURFACES/ OBJECTS SOILED WITH BLOOD / BODY FLUIDS: Personal Protection:** Disposable protective gloves, gowns, face masks and eye coverings, as appropriate, must be worn during all cleaning of blood/body fluids and during decontamination procedures. **Cleaning Procedures:** Blood / body fluids must be thoroughly cleaned from surfaces / objects before application of disinfectant. **Contact Time:** Mix 1 oz. of Q-128 per gallon of water. HIV-1 (AIDS virus) is inactivated after a contact time of 4 minutes at 25°C 77°F. HBV and HCV are inactivated after a 10 minute contact time. Use a 10-minute contact time for other viruses, fungi, and bacteria listed. **Disposal of Infectious Materials:** Blood / body fluids must be autoclaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

**VETERINARY PRACTICE/ANIMAL CARE/ANIMAL LABORATORY/ZOOS/PET SHOP/KENNELS DISINFECTION DIRECTIONS:** For cleaning and disinfecting hard nonporous surfaces: equipment used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all 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 animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1 oz. of Q-128 One-Step Germicidal Detergent and Deodorant per gallon of water for a period of 10 minutes. Wipe or allow to air dry. Ventilate building and other closed spaces. Thoroughly scrub all treated surfaces that come into contact with food, including equipment used for feeding or watering, with soap or detergent and rinse with potable water before reuse. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

## FIRST AID

**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 immediately with plenty of water for 15-20 minutes. **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 an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

Call a poison control center 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.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children. **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:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. Harmful if inhaled, swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective gloves (rubber or chemical resistant). Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

## TRANSPORTATION INFORMATION

**U.S. DOT - Proper Shipping Name:** Ground shipping: 1 gallon or less; Consumer Commodity ORM-D. Air shipping and over 1 gallon; UN1903, Disinfectant, Corrosive Liquid, n.o.s., (Quaternary Ammonium Chlorides), 8, PGIII  
**Marine Pollutant:** No

**MSDS RETRIEVAL**  
Read MSDS before using this product

**800-848-4901**

[www.franklintechnology.com](http://www.franklintechnology.com)

**OBTENCIÓN DE HDSM**  
Leer la HDSM antes de utilizar este producto

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