

# EPA Registered Disinfectant

- Disinfectant • Virucide • Deodorizer • Mildewstat • Sanitizer • Cleaner

D-Bact™ Industrial is a hospital grade disinfectant for use in industrial and commercial facilities



Product No.	Qty/Case x Size
7102ES-4	4 x 1 gallon bottles
7102ES-55	1 x 55 gallon drum

EPA Reg No. 10324-81-74928

### Concentrate:

Each gallon makes approximately 160 gallons of working solution at a dilution of 0.78 ounce of D-Bact™ concentrate per gallon of water.




Typical Analysis		
	Specification	Analysis
Active Quaternary	7.5 to 7.88 %	7.50 %
pH	6.0 to 8.0	6.81
Total Chelates as EDTA	< 0.01 %	< 0.01 %

See complete instructions for additional information, directions and approvals.

**Control bacteria, viruses, bloodborne pathogens, mold and mildew.**

**Meets the EPA's criteria for use against SARS-CoV-2, the novel coronavirus that causes the disease COVID-19**

Cleans, sanitizes and disinfects hard, non-porous surfaces of personal protective safety equipment. For use in locker rooms, shower rooms, lunch rooms, laundry, restrooms and housekeeping.

-  Clean, sanitize and disinfect half and full face respirators and hard, non-porous surfaces of Personal Protective Safety Equipment.
-  Laundry sanitizer and bacteriostat. Provides residual bacteriostatic activity against odor causing bacteria.
-  Clean, sanitize and disinfect fixtures and other hard, non-porous surfaces in showers, locker rooms and rest rooms.

Not available for sale in all states. This product ships via Motor freight only.

### Effective against:

- Human Coronavirus (VR-740)
- Canine Coronavirus (VR-809)
- Hepatitis B (HBV), Hepatitis C (HCV)
- Human immunodeficiency Virus Type 1 (HIV-1)
- *Corynebacterium ammoniagenes*
- *Klebsiella pneumoniae*
- *Pseudomonas aeruginosa*
- *Salmonella enterica*
- *Staphylococcus aureus Methicillin-Resistant (MRSA)*
- *Mold and Mildew*



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### CLEANING AND DISINFECTING HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS):

Pre-clean equipment, if heavily soiled to ensure proper surface contact. Prepare a use solution by adding 0.78 oz. of this product per gal. of water (450 ppm active). Gently mix for uniform use solution. Apply use solution to surfaces of the respirator with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Treated surfaces must remain wet for 10 minutes. Remove excess solution from equipment prior to storage. The user must comply with all OSHA regulations for cleaning respiratory protection equipment (29 CFR § 1910.134). Prepare a fresh solution daily or when visibly dirty.

**VIRUCIDAL\* PERFORMANCE:** This product kills the following viruses in 10 minutes at 3.5 oz. per 4.5 gal. of water and 5% soil on hard, non-porous surfaces: Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Human Immunodeficiency Virus Type 1<sup>†</sup> (HIV-1)

<sup>†</sup> Indicates a 2 minute contact time is required for this claim.

**LAUNDRY BACTERIOSTATIC PERFORMANCE:** This product is an effective laundry bacteriostat in 5 minutes at 1.1 oz. per gal. of water against the following organisms: *Corynebacterium ammoniagenes*, *Klebsiella pneumoniae*, *Staphylococcus aureus*

**LAUNDRY SANITIZER PERFORMANCE:** This product is an effective laundry sanitizer in 5 minutes at 1.33 oz. per gal. of 200 ppm hard water against the following organisms: HIV-1<sup>\*\*</sup>, *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*, *Staphylococcus aureus*, *Staphylococcus aureus* Methicillin-Resistant (MRSA)

<sup>\*\*</sup> Indicates a 4 minute contact time is required for this claim.

### LAUNDRY SANITIZER:

When added at the rate of 1.33 oz. of this product per gal. water to yield 780 ppm active (16 oz. of this product per 100 lbs. of dry laundry) (780 ppm active), this formulation provides sanitization against *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, and *Staphylococcus aureus* Methicillin Resistant (MRSA) and is effective against HIV-1 in rinse water up to 200 ppm hard water.

### KILLS HIV-1 ON LAUNDRY IN COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL APPLICATIONS:

This product provides virucidal\* activity against HIV-1 on fabrics when presoaked with a 4-minute contact time followed by normal washing in detergent and rinsing at a rate of 16 oz. of this product per 100 lbs. of dry laundry in water hardness up to 200 ppm.

### LAUNDRY SANITIZING DIRECTIONS FOR USE:

This product is used in the final, warm rinse cycle at a low water level. Dilute at 1.33 oz. of this product per gal. of water (16 oz. of this product per 100 lbs. of dry laundry) (780 ppm active), then add to the wash in the final rinse, or dispense directly through automatic dispensing equipment. Run for a minimum of 5 minutes. Retreat as necessary. This product will not harm fabrics. DO NOT USE IN THE PRESENCE OF, OR MIX WITH OTHER CHEMICALS.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in 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, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates.

**INSERT SHEET**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal. **PESTICIDE STORAGE:** Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **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 HANDLING:** Non-Refillable Container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

This product, when used as directed, can be used to disinfect and sanitize hard, non-porous surfaces such as: Shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet seats, toilet bowls, toilet bowl surfaces, urinals, vanity tops, restroom fixtures, bathroom fixtures, bathroom bowls, basins and tubs. This product cleans and disinfects non-medical (i.e. industrial and firefighting) respirators in industrial, commercial and institutional premises. This product works as a laundry sanitizer against bacteria and is effective against HIV. This product is a highly concentrated, liquid fabric sanitizer & mildewstat. This product is a laundry sanitizer designed for use in commercial, institutional and industrial laundry operations. This product cleans, sanitizes and disinfects hard, non-porous surfaces of personal protective safety equipment, protective headgear, hard hats, headphones, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F) and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)

**DISINFECTION PERFORMANCE:** This product kills the following bacteria in 10 minutes at 3.5 oz. per 4.5 gal. of water and 5% soil on hard, non-porous surfaces: *Pseudomonas aeruginosa*, *Salmonella enterica*, *Staphylococcus aureus*

**NON-FOOD CONTACT SANITIZING PERFORMANCE:** This product is an effective one-step sanitizer in 3 minutes at 0.25 oz. per gallon of water and 5% soil on hard, non-porous surfaces: *Staphylococcus aureus*, *Klebsiella pneumoniae*



**DISINFECTANT • VIRUCIDE\* • DEODORIZER  
• MILDEWSTAT • SANITIZER • CLEANER**

Cleans, sanitizes and disinfects hard, non-porous surfaces of personal protective safety equipment.

For use in Locker Rooms, Laundry, Restrooms, & Housekeeping

**ACTIVE INGREDIENTS:**

Alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> )	
Dimethyl Benzyl Ammonium Chloride	3.0%
Octyl Decyl Dimethyl Ammonium Chloride	2.3%
Didecyl Dimethyl Ammonium Chloride	1.1%
Dioctyl Dimethyl Ammonium Chloride	1.1%

**OTHER INGREDIENTS:** ..... 92.5%  
**TOTAL:** ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**FIRST AID**

In case of emergency, 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.

**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:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF SWALLOWED:** 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. Call a poison control center or doctor immediately for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

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

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**NET CONTENTS 1 GAL (3.78 L)**

**SOLD BY: ESCA TECH, INC.**

3747 NORTH BOOTH ST, MILWAUKEE WI 53212  
PH: (414) 962-5323 | WWW.ESCA-TECH.COM

**VIRUCIDAL\* PERFORMANCE:** This product kills the following viruses in 10 minutes at 3.5 oz. per 4.5 gal. of water and 5% soil on hard, non-porous surfaces: Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Human Immunodeficiency Virus Type 1\* (HIV-1)

\* Indicates a 2 minute contact time is required for this claim.

**LAUNDRY BACTERIOSTATIC PERFORMANCE:** This product is an effective laundry bacteriostat in 5 minutes at 1.1 oz. per gal. of water against the following organisms: *Corynebacterium ammoniagenes*, *Klebsiella pneumoniae*, *Staphylococcus aureus*

**LAUNDRY SANITIZER PERFORMANCE:** This product is an effective laundry sanitizer in 5 minutes at 1.33 oz. per gal. of 200 ppm hard water against the following organisms: HIV-1\*\*, *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*, *Staphylococcus aureus*, *Staphylococcus aureus* Methicillin-Resistant (MRSA)

\*\* Indicates a 4 minute contact time is required for this claim.

**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.

**FOR USE AS A GENERAL, DISINFECTANT, VIRUCIDE\*, CLEANER:**

1. Pre-clean surfaces. 2. Apply use solution of 3.5 oz. of this product per 4.5 gal. of water to disinfect hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. 3. Treated surfaces must remain wet for 10 minutes. 4. Wipe dry with a clean cloth or allow to air dry. 5. Prepare a fresh solution daily or when visibly dirty.

**\*KILLS HIV, HBV AND HCV ON PRE-CLEANED HARD, NON-POROUS 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 hard, non-porous 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), Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.** **Personal Protection:** Wear protective latex gloves, gowns, masks and eye protection. **Cleaning Procedure:** Blood and other body fluids must be thoroughly cleaned from hard, non-porous surfaces and objects before application of this product. **Disposal of Infectious Materials:** Blood and other body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal. **Contact Time:** Allow hard, non-porous surface to remain wet for 2 minutes to kill HIV and for 10 minutes to kill all other viruses and bacteria listed on the label.

**CLEANING AND DISINFECTING HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS):**

Pre-clean equipment, if heavily soiled to ensure proper surface contact. Prepare a use solution by adding 0.78 oz. of this product per gal. of water (450 ppm active). Gently mix for uniform use solution. Apply use solution to surfaces of the respirator with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Treated surfaces must remain wet for 10 minutes. Remove excess solution from equipment prior to storage. The user must comply with all OSHA regulations for cleaning respiratory protection equipment (29 CFR § 1910.134). Prepare a fresh solution daily or when visibly dirty.

### COMMERCIAL AND INSTITUTIONAL LAUNDRY USE:

For residual bacteriostatic activity against gram-negative and/or gram-positive odor-causing bacteria and/or residual self-sanitizing activity against *Klebsiella pneumoniae* and *Staphylococcus aureus*, use this product as directed.

**Initial Treatment:** Use 13.3 oz. of this product per 100 pounds of fabric (dry weight) (or equivalent use dilution). Dilute the appropriate amount of this product in one to two gal. of water, and then add solution to the wash wheel at the beginning of the final rinse cycle. A minimum rinse cycle time of 5 minutes is required.

**Repeat Treatment:** Follow Initial Treatment directions and re-treat fabric after each washing or if odor persists.

### LAUNDRY BACTERIOSTAT FOR COMMERCIAL, INDUSTRIAL, AND NON-MEDICAL INSTITUTIONAL LAUNDRY APPLICATIONS:

This product provides the fabric with residual bacteriostatic activity against odor causing gram-negative and gram-positive bacteria when added to the final rinse at a rate of 13.3 oz. of this product per 100 lbs. of dry laundry. This product was evaluated against: *Corynebacterium ammoniagenes*, *Klebsiella pneumoniae*, *Staphylococcus aureus*.

### LAUNDRY DEODORIZER AGAINST ODOR CAUSING BACTERIA:

For activity against odor causing bacteria caused by conditions of high relative humidity or wet contamination, use 13.3 oz. of this product per 100 pounds of dry weight fabric. Dilute the appropriate amount of this product in one to two gal. of water, and then add to the wash wheel in the final rinse. Re-treat fabric after each washing. Laundered fabric may also be treated by soaking.

### PRESERVATION AGAINST MILDEW BY SOAKING:

Use 13.3 oz. of this product per 100 pounds of fabric (dry weight). A minimum soaking time of 5 minutes is required.

### LAUNDRY SANITIZER:

When added at the rate of 1.33 oz. of this product per gal. water to yield 780 ppm active (16 oz. of this product per 100 lbs. of dry laundry) (780 ppm active), this formulation provides sanitization against *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, and *Staphylococcus aureus* Methicillin Resistant (MRSA) and is effective against HIV-1 in rinse water up to 200 ppm hard water.

### KILLS HIV-1 ON LAUNDRY IN COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL APPLICATIONS:

This product provides virucidal\* activity against HIV-1 on fabrics when presoaked with a 4-minute contact time followed by normal washing in detergent and rinsing at a rate of 16 oz. of this product per 100 lbs. of dry laundry in water hardness up to 200 ppm.

### LAUNDRY SANITIZING DIRECTIONS FOR USE:

This product is used in the final, warm rinse cycle at a low water level. Dilute at 1.33 oz. of this product per gal. of water (16 oz. of this product per 100 lbs. of dry laundry) (780 ppm active), then add to the wash in the final rinse, or dispense directly through automatic dispensing equipment. Run for a minimum of 5 minutes. Retreat as necessary. This product will not harm fabrics. DO NOT USE IN THE PRESENCE OF, OR MIX WITH OTHER CHEMICALS.

### FOR USE IN SMALL COMMERCIAL WASHING MACHINES:

Use the chart below to determine the equivalent use dilution per wash load for use as a Laundry Sanitizer in small commercial washing machines. This is based on 16 oz. of this product per 100 lbs. of dry laundry.

WASHER CAPACITY ( LBS. DRY LAUNDRY )	OUNCES ( PER WASH LOAD )
25	4
50	8
75	12

### FOR USE IN CONSUMER OR HOUSEHOLD TYPE WASHING MACHINES:

Use the chart below to determine the equivalent use dilution per wash load for use as a Laundry Sanitizer in consumer or household type washing machines. This is based on 16 oz. of this product per 100 lbs. of dry laundry.

WASHER CAPACITY ( LBS. DRY LAUNDRY )	OUNCES ( PER WASH LOAD )
5 or less	1
6-10	2
11-20	3

### NON-FOOD CONTACT SANITIZING DIRECTIONS:

**NON-FOOD CONTACT SANITIZING:** Pre-clean heavily soiled surfaces. Add 1 oz. of this product to 4 gal. of water (150 ppm active). Apply solution to hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 3 minutes. Prepare a fresh solution daily or when visibly dirty.

### SANITIZATION OF HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS):

Add 0.25 oz. of this product to 1 gal. of water (150 ppm active). Gently mix for uniform solution. Apply solution to surfaces of the respirator with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Thoroughly wet surfaces to be sanitized. Treated surfaces must remain wet for 3 minutes. Remove excess solution from equipment prior to storage. Prepare a fresh solution daily or when visibly dirty.

### MOLD / MILDEW:

Controls and prevents the growth of mold and mildew (*Aspergillus niger*) and the odors caused by them when applied to hard, nonporous surfaces. Prepare use solution by adding 3.5 oz. of this product per 4.5 gal. of water. Apply use solution to pre-cleaned hard, non-porous surfaces for 10 minutes which will effectively inhibit the growth of mold and mildew and their odors. Repeat treatment every seven days or more often if new growth appears.



### NON-ACID TOILET BOWL AND URINAL DISINFECTANT / CLEANING DIRECTIONS:

Remove heavy soil prior to disinfection.

**From a Concentrate:** Add 0.78 oz. of this product directly into the water in the toilet bowl. Brush thoroughly over exposed surfaces and under the rim with a toilet brush, cloth, or sponge. Allow solution to stand for 10 minutes and flush.

**From a Use Solution:** Empty water out of toilet bowl or urinal and apply a use solution of 0.78 oz. of this product per gal. of water (450 ppm active) to exposed surfaces, including under the rim with a toilet brush, cloth, or sponge, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Brush or swab thoroughly, then allow solution to stand for 10 minutes and flush.

### FOR HEAVY DUTY CLEANING OF TOILET BOWLS AND URINALS:

Pre-clean heavily soiled areas. Empty toilet bowl or urinal and apply a use solution of 1.56 oz. of this product per gal. of water to exposed surfaces including under the rim with toilet brush, cloth, or sponge, or mechanical spray device, coarse pump or trigger spray device. To aid in soil removal, allow to soak. For sprayer application, spray 6-8 inches from surface. Brush or swab thoroughly and allow solution to stand for 10 minutes and flush.

### FOR USE TO CLEAN & DISINFECT SHOWER ROOMS, LOCKER ROOMS & OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

1. Pre-clean heavily soiled areas.
2. Apply a use-solution of 3.5 oz. of this product per 4.5 gal. of water (450 ppm active) to floors, walls and ceilings making sure not to over spray. To disinfect, all hard, non-porous surfaces must remain wet for 10 minutes.
3. Scrub using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.
5. Prepare a fresh solution daily or when visibly dirty.

### GENERAL DEODORIZATION:

To deodorize, apply 2 oz. of this product per 4.5 gal. of water to hard, non-porous surfaces. Allow to air dry.