

TECHNICAL BULLETIN

D-GERM 5

DISINFECTANT CLEANER DEODORIZER VIRUCIDE FUNGICIDE



LES PRODUITS
SANITAIRES
LÉPINE INC.

D-GERM 5 Neutral Disinfectant Cleaner is a phosphate-free formulation designed to provide effective cleaning, deodorizing, and disinfection in hospitals, nursing homes, hotels, schools, food processing establishments, restaurants, and other institutions where housekeeping is of prime importance in controlling cross-contamination from treated surfaces. This product, when used as directed, is formulated to disinfect hard non-porous inanimate environmental surfaces such as floors, walls, metal surfaces, bathrooms, shower stalls, bathtubs and cabinets. This product is formulated to a neutral pH and will not dull high-gloss floor finishes with repeated use.

PHYSICAL DATA

ASPECT: Orange liquid

ODOUR: Smooth, lightly perfumed

pH (PURE): 6,0 ± 0,5

SPECIFIC GRAVITY: 1

PHOSPHATES: No

QUAT LEVEL & TYPE: 10,85% quaternary ammonium 5th generation

DIN #: 02288710

NONYLPHENOL ETHOXYLATE: No

CFIA: Approved

USE

D-GERM 5 is recommended for use in hospitals, medical and dental offices, nursing home, processing plants, food storage areas, and kitchens.

DIRECTION FOR USE

DISINFECTION To disinfect inanimate, hard non-porous surfaces add 8 mL of this product per Litre of water. Apply solution with a mop, cloth, sponge or hand-pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

SANITIZATION: To sanitize previously cleaned and rinsed non-porous food contact surfaces, prepare 200 ppm active by adding 1.85mL D-GERM 5 per L of water.

To sanitize immobile items such as tanks, chopping blocks, counter tops, flood the area with 200 ppm DGERM 5 solution or apply with a cloth or sponge making sure to wet all surfaces completely for at least 60 seconds. Let air dry. Prepare a fresh solution for each use.

To sanitize mobile items such as drinking glasses, eating utensils, immerse in 200 ppm D-GERM 5 solution for at least 60 seconds making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

MILDEWSTAT: To control mold and mildew (such as *Aspergillus niger*) and the odours they cause on precleaned, hard, non-porous surfaces add 16 mL per litre of water. Apply solution with a cloth, mop or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth reappears.

FUNGICIDAL ACTIVITY: When used at 8 mL per litre of water, this product is effective against the pathogenic fungi *Trichophyton mentogrophytes* (Athletes Foot Fungus), *Candida albicans*, and *Aspergillus niger*.



AVAILABLE SIZES

4 L 73065
20 L 73070

www.produitslepine.com



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CLEANING AND DISINFECTION OF WHIRLPOOL BATHTUB:

1. Pre-clean the bathtub with a solution of 8 mL D-GERM 5 per L of water.
2. Fill the bathtub with lukewarm water above jets. Calculate the water volume for adding the right dose of product (8mL/L).
3. Pour the calculated amount of D-GERM 5 in the bathtub.
4. Start the turbine for about 1 minute.
5. Let stand for 10 minutes.
6. Empty the bathtub and fill it again with water. Restart the turbine for rinsing.
7. Dry thoroughly all surfaces of the bathtub.

BACTERICIDAL ACTIVITY: When used as directed at 8 mL per litre of water, this product exhibits effective disinfectant activity against the following organisms:

Acinetobacter baumannii (Ampicillin resistant)
Acinetobacter baumannii (Bactrim resistant)
Acinetobacter baumannii (Cefazolin resistant)
Acinetobacter baumannii (Ceftriaxone resistant)
Acinetobacter baumannii (Ceftriaxone resistant)
Acinetobacter baumannii (Gentamicin resistant)
Acinetobacter baumannii (Tobramycin resistant)
Acinetobacter baumannii (Ciprofloxacin resistant)
Acinetobacter baumannii (Levofloxacin resistant)
Bordetella bronchiseptica
Corynebacterium ammoniagenes
Enterobacter aerogenes
Enterobacter cloacae (clinical isolate)
Enterobacter cloacae
Enterococcus faecalis (clinical isolate)
Enterococcus faecalis (Vancomycin resistant)
Enterococcus faecalis
Escherichia coli (clinical isolate)
Escherichia coli
Fusobacterium necrophorum
Klebsiella pneumoniae subsp. Pneumoniae
Lactobacillus casei subsp. rhamnosus
Listeria monocytogenes
Pasteurella multocida
Proteus mirabilis ATCC 25933

Proteus mirabilis ATCC 9921
Proteus vulgaris
Pseudomonas Aeruginosa
Salmonella choleraesuis subsp. choleraesuis serotype paratyphi B
Salmonella choleraesuis subsp. choleraesuis serotype pollorum
Salmonella choleraesuis subsp. choleraesuis serotype typhi
Salmonella choleraesuis subsp. choleraesuis serotype typhimurium
Salmonella choleraesuis
Salmonella enteritidis
Serratia marcescens
Shigella dysenteriae
Shigella flexneri Type 2b*
Shigella sonnei
Staphylococcus aureus (clinical isolate)
Staphylococcus aureus (Vancomycin Intermediate)
Staphylococcus aureus methicillin resistant (MRSA)
Staphylococcus aureus subs.aureus
Staphylococcus aureus
Staphylococcus epidermidis (clinical isolate)
Staphylococcus epidermidis
Streptococcus pyogenes (Clinical flesh eating strain-Bird M3)
Streptococcus pyogenes Group A
Xanthomonas maltophilia (clinical isolate)
Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) NRS 123 Genotype USA400
Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) NRS 384 Genotype USA300

VIRUCIDAL ACTIVITY: This product when used on environmental, inanimate hard non-porous surfaces at 8 mL per Litre of water exhibits effective virucidal activity against:

Avian Influenza A Turkey/Wisc/66 (H9N2)
Avian Influenza A (H3N2)
Bovine Rhinotracheitis
Canine Distemper virus
Feline Leukemia
Feline Picornavirus
Herpes Simplex Type 1 (causative agent for fever blisters)

Herpes Simplex Type 2 (genital disease)
Influenza A2/Hong Kong *
Paramyxovirus
Pseudorabies
Vaccinia
Virus d'Immunodéficience Humaine, type 1 et type2 (HIV-1 et HIV-2)

* This product has demonstrated effectiveness against Vaccinia and Influenza A virus and is expected to inactivate all Influenza A viruses including 2009 (H1N1) pandemic Influenza A virus.

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND FUNGICIDE IN WATER UP TO 400 PPM HARDNESS (AS CaCO₃) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

GUARANTEED ANALYSIS

Octyl decyl dimethyl ammonium chloride.....	3,255% w/w
Dioctyl dimethyl ammonium chloride.....	1,628% w/w
Didecyl dimethyl ammonium chloride.....	1,628% w/w
Alkyl (40%C12, 50%C14, 10%C16) dimethyl benzyl ammonium chloride.....	4,339% w/w

ADVANTAGES

« Quat » technology fifth generation | Broad spectrum kill | Highly concentrated | neutral pH | Proven safe and effective | Efficient cost use | Will not dull floor finish

PRÉCAUTIONS

KEEP OUT OF REACH OF CHILDREN. WARNING- CORROSIVE Causes eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.