

90.12.10

CHALLENGER II

DETERGENT/DISINFECTANT

Cleaner Detergent*Deodorizer*Sanitizer*Disinfectant
Fungicide (Against Pathogenic Fungi)
Mildewstat (on hard inanimate surfaces)

COMMERCIAL

ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS

KEEP OUT OF REACH OF CHILDREN

DANGER

CORROSIVE TO EYES

READ THE LABEL BEFORE USING

REGISTRATION NO. 19751

PEST CONTROL PRODUCTS ACT

D.I.N. 702439

GUARANTEE

n-Alkyl (5% C12, 60% C14, 30% C16, 5% C18)
dimethyl benzyl ammonium chlorides.....4.50%

n-alkyl (60% C12, 32% C14)
dimethyl ethylbenzyl ammonium chlorides.....4.50%

NET CONTENTS

SHERIDAN CHEMICALS INC.
HAMILTON, ONTARIO
L8L 6W4

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

CHALLENGER II detergent/disinfectant has been designed specially for hospitals, nursing homes, schools, food processing plants, and other institutions where housekeeping is of prime importance.

DISINFECTION: To disinfect hard inanimate surfaces (such as walls, floors, tabletops), add 8 mL Challenger II detergent/disinfect per L of water. Apply solution with mop, cloth, sponge so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes and then let air dry. To disinfect toilet bowls, flush toilet, add 40 mL Challenger II detergent/disinfectant directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush. For heavily soiled areas, a precleaning step is required and recommended. Prepare a fresh solution for each use. MILDEWSTAT - To control mold and mildew on precleaned, hard non-porous surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth reappears. SANITIZATION - To sanitize previously cleaned and rinsed non-porous food contact surfaces, prepare 200 p.p.m. active quaternary Challenger II solution by adding 2.3 mL Challenger II 900 per L of water. To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the areas with 200 ppm Challenger II 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 Challenger II 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.

HAZARD TO HUMANS AND DOMESTIC ANIMALS. DANGER: KEEP OUT OF REACH OF CHILDREN. Causes eye and skin irritation. Do not get in eyes, on skin on clothing. Harmful if swallowed.

FIRST AID

In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes call a physician. Remove and wash contaminated clothing before reuse. If swallowed drink milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Call a physician immediately.

TOXICOLOGICAL INFORMATION

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

CHALLENGER II is a phosphate free concentrated detergent/disinfectant which provides effective cleaning, deodorizing, disinfection, and sanitization. CHALLENGER II detergent/disinfectant has been designed specially for hospitals, nursing homes, schools, food processing plants and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination. In addition, CHALLENGER II deodorizes those areas which generally are hard to keep fresh smelling, such as garbage areas, empty garbage bins and cans, toilet bowls and any other areas which are prone to odours caused by microorganisms.

DISINFECTION - At 8 mL/L dilution, CHALLENGER II exhibits effective disinfectant activity against the following:

Pseudomonas aeruginosa PRD-10	
Escherichia coli	Brevibacterium ammoniagenes
Klebsiella pneumoniae	Streptococcus faecalis
Klebsiella pneumoniae	Shigella dysenteriae
Salmonella schottmuelleri	Enterobacter aerogenes
Salmonella choleraesuis	Staphylococcus aureus
Streptococcus salivarius	

At this level the product is also fungicidal against the pathogenic fungi, Trichophyton Mentagrophytes.

VIRUCIDAL ACTIVITY: The product used on environmental inanimate hard surfaces at 8 mL per L of water exhibits effective virucidal activity against influenza, A-2 Asian (representative of the common flu virus), Herpes simplex (causative agent of fever blisters and mononucleosis). Adenovirus virus type 2 (causative agent of upper respiratory infections) Vaccinia virus (representative of the pox virus group).

EFFICACY TESTS HAVE DEMONSTRATED THAT CHALLENGER II IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

Mold and Mildew - Challenger II prevents and controls mold and mildew and the odours they cause on hard non-porous inanimate surfaces.

SANITIZATION: When used for sanitization of previously cleaned food equipment or food contact items limit active quaternaries to

200 p.p.m. Challenger II is an effective sanitizer when diluted in water up to 250 p.p.m. hardness (C2C03).

STORAGE: Do not contaminate water, food or feed by storage and disposal. Store in a dry place no lower in temperature than 10'C or higher than 50'C.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal or reconditioning.
3. Dispose of the container in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product and the cleanup of spills contact the regional office of the Conservation and Protection, Environment Canada.
5. For small spills. Recover free liquid. Soak up residue with solids absorbent. DO NOT FLUSH INTO SURFACE STREAMS. INFORM ENVIRONMENT CANADA AS IN #4.

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