

90.12.10

CHALLENGER III

DETERGENT/DISINFECTANT

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

COMMERCIAL

ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS

DANGER

CORROSIVE TO EYES

READ THE LABEL BEFORE USING

REGISTRATION NO. 20396

PEST CONTROL PRODUCT ACT

D.I.N. 702447

GUARANTEE:

n-Alkyl(5% C12, 60% C14, 30% C16, 5% C18)  
dimethyl benzyl ammonium chlorides.....6.25%  
n-alkyl(60% C12, 32% C14)  
dimethyl ethylbenzyl ammonium chlorides.....6.25%

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 III detergent/disinfectant has been designed specifically 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 20 mL Challenger III detergent/disinfectant per 5 L of water. Apply solution with mop, cloth, sponge or mechanical sprayer so as to wet thoroughly. Allow to remain wet for 10 minutes and then let air dry. To disinfect toilet bowls, flush toilet, add 20 mL Challenger III detergent/disinfectant directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under rim. Let stand for 10 minutes and flush. For heavily soiled areas, a pre-cleaning step is required and recommended. Prepare a fresh solution for each use. **MILDEWSTAT:** To control mold and mildew on pre-cleaned, hard non-porous surfaces (such as floors, walls, table tops) add 20 mL Challenger III per 5 L 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.

**SANITIZATION:** To sanitize previously cleaned and rinsed non-porous food contact surfaces, prepare 200 p.p.m. active quaternary Challenger III solution by adding 15 mL Challenger III to 10 L of water. To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood areas with 200 ppm Challenger III 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 immobile items (such as drinking glasses, eating utensils) immerse in 200 ppm Challenger III 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.

**PRECAUTIONARY STATEMENTS:** HAZARD TO HUMANS AND DOMESTIC ANIMALS. DANGER KEEP OUT OF REACH OF CHILDREN. Causes eye and skin irritation. Do not get in eyes, or skin or 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 III is a phosphate free concentrated detergent/disinfectant which provides effective cleaning, deodorizing, disinfection, and sanitization. CHALLENGER III detergent/disinfectant has been designed specifically for

hospitals, nursing homes, schools, food processing plants and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination.

CHALLENGER III when diluted at the rate of 20 mL per 5 L of water is as effective disinfectant against the organism *Pseudomonas aeruginosa* and meets all requirements for hospital use. When used as directed, CHALLENGER III is formulated to disinfect; inanimate hard surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephone and bed frames. For larger areas such as operating rooms, patient care facilities and restrooms, the product is designed to provide both general cleaning and disinfecting. In addition, CHALLENGER III 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 20 mL per 5 L dilution, CHALLENGER III exhibits effective disinfectant activity against the following:

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

At this level the product is also fungicidal against the pathogenic fungi, *Trichophyton* and *Microsporum*.

VIRUCIDAL ACTIVITY: The product when used on environmental inanimate hard surface at 20 mL per 5 L of water exhibits effective virucidal activity against influenza, A2/Asian (representative of the common flu virus). Herpes simplex (causative agent of fever blisters and mononucleosis). Adenovirus type 2 (causative agent of upper respiratory infection) and Vaccinia virus (representative of the poxvirus group).

EFFICACY TESTS HAVE DEMONSTRATED THAT CHALLENGER III IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM). Mold and Mildewstat: Challenger III prevents and controls mold and mildew and the odours they cause on hard non-porous inanimate surfaces at 20 mL per 5 L.

SANITIZATION: When used for sanitization of previously cleaned food equipment or food contact items limit active quaternaries to 200 p.p.m. Challenger III is an effective sanitizer when diluted in water up to 600 p.p.m. hardness (C2C03).

STORAGE & DISPOSAL: Do not contaminate water, food or feed by storage and disposal. Store in a dry place no lower in temperature than 50°F; or higher than 120°F.

1. Rinse the emptied container thoroughly and add the rinsings to 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 unwanted product and the cleanup of spills contact the regional office of the Conversation 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 NO. 4.

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