ACCEPTED

MAY 08 1981

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 18835-2

EPA-PP 1 1E

PHENE

detergent/disinfectant

Cleaner	Disinfectant
Detergent	Fungicide (against
Deodorizer	Pathogenic fungi)
Sanitizer	Virucide*

Mildewstat (on hard inanimate surfaces)

ACTIVE INGREDIENTS

n-Alkyl (60%C_{14}, 30%C_{16}, 5%C_{12}, 5%C_{18}) dimethyl benzyl ammonium chlorides	2.25%
n-Alkyl (68%C_{12}, 32%C_{14}) dimethyl ethylbenzyl ammonium chlorides	2.25%
INERT INGREDIENTS	95.50%
TOTAL	100.00%

EPA REG. NO. 18835-2
EPA EST. NO. 18835-TN-01

KEEP OUT OF REACH OF CHILDREN

DANGER

See side panels for additional precautionary and practical treatment statements.

NET CONTENTS _____

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STARR NATIONAL MANUFACTURING CORPORATION

OFFICE & PLANT: 392 SCOTT
P.O.BOX 12470—MEMPHIS, TENN. 38112

DIRECTIONS FOR USE
General Classification

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Phene detergent disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants, food service establishments and other institutions where housekeeping is of prime importance.

Disinfection - To disinfect hard inanimate surfaces (such as walls, floors, table tops) add 1-2 ounces Phene detergent disinfectant per gallon of water. Apply solution with mop, cloth, sponge or mechanical sprayer 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 2 ounces Phene detergent disinfectant directly to the bowl water. Swab the bowl completely using a scrub brush or to let mop, making sure to get under the 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 nonporous surfaces (such as floors, walls, table tops) add 2 ounces Phene per gallon 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 200ppm active quaternary Phene solution by adding 2 ounces Phene to 3 gallons of water.

To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the area with 200ppm Phene 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 200ppm Phene solution for at least 60 seconds making sure to immerse completely. Remove and air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

PRECAUTIONARY STATEMENTS
Hazard to Human and Domestic Animals
DANGER

Keep Out of Reach of Children. Causes severe eye and skin damage. Do not get in eyes, skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

STATEMENT OF PRACTICAL TREATMENT

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 all 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.

NOTE TO PHYSICIAN

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

Phene is a concentrated detergent disinfectant which provides effective cleaning, deodorizing, disinfection, and sanitization. Phene 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.

Phene when diluted at the rate of 2 ounces per gallon of water is an effective disinfectant against the organisms *Pseudomonas aeruginosa* and meets all requirements for hospital use. When used as a recommended Phene is formulated to disinfect inanimate hard surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones 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, Phene deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls and any other areas which are prone to odors caused by microorganisms.

Disinfection - At 2 ounces per gallon dilution, Phene exhibits effective disinfectant activity against the organisms, *Salmonella choleraesuis* and *Staphylococcus aureus*.

At this level, the product is also fungicidal against the Pathogenic fungi, *Trichophyton mentagrophytes*.

Virucidal* Activity: The product when used on environmental inanimate hard surfaces at 2 ounces per gallon 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), Adeno virus type 2 (causative agent of upper respiratory infections) and Vaccinia virus (representative of the pox virus group).

Efficacy tests have demonstrated that Phene is an effective bactericide, fungicide, and virucide* in the presence of organic soil (5% blood serum).

Mildew Mildewstat - Phene prevents and controls mold and mildew and the odors 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 200ppm. At this level NO POTABLE WATER RINSE is required.

Phene is an effective sanitizer when diluted in water up to 500ppm hardness ($CaCO_3$).

STORAGE AND DISPOSAL

- DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.
- OPEN DUMPING IS PROHIBITED.
- DO NOT REUSE EMPTY CONTAINER. WRAP CONTAINER AND PUT IN TRASH COLLECTION.

Pesticide Disposal - Pesticides that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place.

Container Disposal - Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

BEST DOCUMENT AVAILABLE