




ONYX CD 4.5

(EPA #1839 47)

Onyx CD 4.5 is an institutional cleaner disinfectant designed specifically for Hospitals, Nursing Homes, and Institutions where controlling the hazard of cross contamination is of prime importance—floors, walls, sink tops, garbage pails, telephones, rest rooms, and operating rooms. At 2 ounces per gallon of water, a claim against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis* can be made. EFFICACY TESTS HAVE DEMONSTRATED THAT CD 4.5 IS AN EFFECTIVE BACTERICIDE, AND FUNGICIDE, IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM). Onyx CD 4.5 is effective against pathogenic fungi at 2 ounces per gallon. Onyx CD 4.5 can also be used on food contact items at 200 ppm active BTC@ 2125M **Without A Potable Water Rinse.**

FORMULATION

BTC - 2125M (50%)	9.0%
Sodium Carbonate	3.0%
Neutronyx 656	4.5%
Sodium Tripolyphosphate Anhydrous	2.0%
Water	81.5%

TOTAL: 100.0%

SUMMARY

Onyx CD 4.5 cleaner disinfectant type product prepared to contain 4.5% active BTC- 2125M formulated as previously described demonstrates:

- Bactericidal activity at 2 ounces per gallon against *Staphylococcus aureus* ATCC #6538, *Salmonella choleraesuis* ATCC #10708, and *Pseudomonas aeruginosa* ATCC #15442
- Fungicidal activity at 2 ounces per gallon against *Trichophyton interdigitale* Strain No 640
- Effective as a disinfectant in the presence of organic matter

ONYX CHEMICAL COMPANY
MILLMASTER ONYX GROUP



NEW HAVEN INDUSTRIAL

NEWARK, NEW JERSEY CITY NEW JERSEY 07302
TEL 201 434 1700

DIRECTIONS FOR USE

General Classification

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

Onyx NP 45 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, table tops), add 2 ounces NP 45 detergent/disinfectant per gallon of water. Apply solution with mop, cloth, or 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 2 ounces NP 45 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 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 2 ounces NP 45 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 200 ppm active quaternary NP 45 solution by adding 2 ounces NP 45 to 3 1/2 gallons of water

To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the area with 200 ppm NP 45 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 NP 45 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 Human and Domestic Animals

DANGER

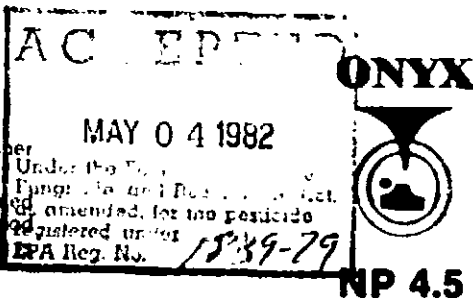
Keep Out of Reach of Children. Causes eye and skin irritation. Do not get in eyes, skin or on clothing. Harmful if swallowed

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



MAY 04 1982

Under the Federal Insecticide, Fungicide, and Rodenticide Act, amended, for the pesticide registered under EPA Reg. No. 1839-79

NP 4.5

detergent/disinfectant

CLEANER
DETERGENT
DEODORIZER
SANITIZER

MILDEWSTAT (on hard inanimate surfaces)

DISINFECTANT
FUNGICIDE (against pathogenic fungi)
VIRUCIDE*

ACTIVE INGREDIENTS:

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)
dimethyl benzyl ammonium chlorides
n-Alkyl (68% C12, 32% C14)
dimethyl ethylbenzyl ammonium chlorides

2.25%

2.25%

95.50%

Total 100%

INERT INGREDIENTS

ONLY FOR SALE TO, USE, AND
STORAGE BY SERVICE PERSONS

EPA REG NO 1839-79
EPA EST NO 1839-NJ-01

KEEP OUT OF REACH OF CHILDREN

DANGER

see side panels for additional precautionary
and first aid statements

onyx chemical company

MILLMASTER ONYX GROUP

190 Warren Street
Jersey City, N.J. 07302

NET CONTENTS

Onyx NP 45 is a phosphate free concentrated detergent/disinfectant which provides effective cleaning, deodorizing, disinfection, and sanitization. Onyx NP 45 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.

NP 45 when diluted at the rate of 2 ounces per gallon of water is an effective disinfectant against the organism *Pseudomonas aeruginosa* and meets all requirements for hospital use. When used as directed, Onyx NP 45 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, Onyx 45 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, Onyx NP 45 exhibits effective disinfectant activity against the following:

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

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 NP 4.5 IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE* IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

MOLD and MILDEWSTAT-Onyx NP 45 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 200 ppm. At this level NO POTABLE WATER RINSE is required. NP 45 is an effective sanitizer when diluted in water up to 250 ppm hardness (CaCO3).

STORAGE AND DISPOSAL

- DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL
- OPEN DUMPING IS PROHIBITED
- DO NOT REUSE EMPTY CONTAINER
PESTICIDE DISPOSAL-Pesticides that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide or buried in a safe place.
CONTAINER DISPOSAL-Triple rinse (or equivalent) and dispose of in a container or facility approved for pesticide disposal (e.g., incineration).



ONYX NP 4.5

Reference File (EPA #1839-79)

Onyx NP 4.5 is a phosphate free cleaner/disinfectant which provides effective detergent, sanitization and disinfection properties and eliminates ecological phosphate contamination. Onyx NP 4.5 has been formulated to contain high bactericidal activity and detergent performance characteristic of the Onyx CD 4.5 phosphate formulation. Onyx NP 4.5 is a hospital cleaner/disinfectant designed specifically for use where controlling the hazard of cross-contamination from environmental surfaces is of prime importance. For use in Hospitals, Nursing Homes, Food Processing Plants, Institutions, on walls, floors, bed pans, garbage pails, telephones, rest rooms, and operating rooms. At 2 ounces per gallon of water, a claim against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis* can be made. **EFFICACY TESTS HAVE DEMONSTRATED THAT NP 4.5 IS AN EFFECTIVE BACTERICIDE, VIRUCIDE AND FUNGICIDE, IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).** Onyx NP 4.5 is effective against pathogenic fungi at 2 ounces per gallon. Onyx NP 4.5 can also be used on food contact items at 200 ppm active BTC-2125M **Without a Potable Water Rinse.**

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- Effective as a disinfectant in the presence of organic matter.

WARRANTY

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such use. Results to be obtained must be used in accordance with directions or established safe practice. The buyer must assume all responsibility for any injury or damage resulting from its use as such, or in combination with other materials. Statements concerning the use of these products are not to be construed as recommendations or the infringement of any patent, and no liability for infringement is assumed by any of the manufacturers.

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