

BEST DOCUMENT AVAILABLE

DANGER

FIRST AID:

In case of eye contact, flush eye immediately with plenty of water for at least 15 minutes and get medical attention. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse.

If swallowed, immediately give large quantities of water or milk, if available, and induce vomiting by placing a finger or blunt object on the back of the victim's tongue. Continue fluid administration until vomitus is clear. Never give anything by mouth to an unconscious person. Call a physician or the nearest poison control center immediately. Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Discharge permits may be required. For guidance, contact the regional office of the Environmental Protection Agency.

WASH THOROUGHLY AFTER HANDLING
KEEP CONTAINER TIGHTLY CLOSED
WHEN NOT IN USE
FOR INDUSTRIAL USE ONLY

DIRECTIONS FOR USE

Under the Federal Insecticide, Fungicide, and Rodenticide Act, it is unlawful to use this product in a manner inconsistent with its labeling. Add N'GRO NPA separately to the system. Do not mix it with other chemicals in order to avoid decomposition of N'GRO NPA due to the high pH of many additive formulations.

EPA Reg. No. 476-2181

EPA Est. 476-NY-1

NET CONTENTS 1 GAL.

CS 1



N'GROTM NPA

ANTIMICROBIAL

Controls Bacteria, Fungi, and Yeasts in Paper Mills; Controls Bacteria in Recirculating Water Cooling Towers.

ACTIVE INGREDIENT:

2,2-dibromo-3-nitropropionamide

INERT INGREDIENTS:

50
95.0
100.0

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes severe burns of eyes. May burn the skin.
May be harmful or fatal if swallowed.

Do not get in eyes, on skin, or on clothing.
Wear chemical workers' goggles when handling.

(See additional Precautions and First Aid on left panel.)

Sold by

STAUFFER CHEMICAL COMPANY

CHEMICAL SYSTEMS DIVISION

WESTPORT, CT 06880

PAPER MILLS: For the control of bacteria, fungi, and yeasts in paper mills, N'GRO NPA is applied at the rate of 100 to 200 ppm to the water supply. A minimum of 100 ppm is required for control of bacteria, fungi, and yeasts. For control of bacteria, fungi, and yeasts, a minimum of 100 ppm is required. For control of bacteria, fungi, and yeasts, a minimum of 100 ppm is required.

Heavily fouled systems: For heavily fouled systems, a minimum of 100 ppm is required. For heavily fouled systems, a minimum of 100 ppm is required.

Moderately fouled systems: For moderately fouled systems, a minimum of 100 ppm is required. For moderately fouled systems, a minimum of 100 ppm is required.

Slightly fouled systems: For slightly fouled systems, a minimum of 100 ppm is required. For slightly fouled systems, a minimum of 100 ppm is required.

Recirculating Water Cooling Towers: For recirculating water cooling towers, a minimum of 100 ppm is required. For recirculating water cooling towers, a minimum of 100 ppm is required.

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DIRECTIONS FOR USE

Use in accordance with label directions. Do not use in a manner inconsistent with the label. Do not mix with other chemicals. Add N'GRO NPA separately to the system. Do not mix it with other chemicals in order to avoid decomposition of N'GRO NPA due to the high pH of many additive formulations.

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Sold by

STAUFFER CHEMICAL COMPANY
CHEMICAL SYSTEMS DIVISION
WESTPORT, CT 06880

PAPER MILLS: For the control of bacterial, fungal, and yeast growth in pulp, paper and paperboard mills, add N'GRO NPA at the rate of 0.01 to 0.1 gal. per ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of N'GRO NPA in the mass of fiber and water in the boilers, Jordan inlet or discharge, broke chests, furnish chests, and other water tanks.

Heavily fouled systems should be cleaned out, then treated with 1 gal. N'GRO NPA per ton of paper. In tanks, an immediate effect may be expected. **Moderately fouled systems** should be treated continuously with 0.01 to 0.1 gal. N'GRO NPA per ton of paper. In tanks, an immediate effect may be expected. **Continued** Addition rates can then be reduced to 0.005 to 0.01 gal. N'GRO NPA per ton of paper on a continuous intermittent basis. The effect of the chemical is cumulative. Disinfect slime may require breaks in the continuous treatment. The paper machine may be adjusted.

Slightly fouled systems should be treated continuously with 0.005 to 0.01 gal. N'GRO NPA per ton of paper. In tanks, an immediate effect may be expected. **Continued** Addition rates can then be reduced to 0.002 to 0.005 gal. N'GRO NPA per ton of paper on a continuous intermittent basis.

RECIRCULATING WATER COOLING TOWERS: For the control of bacterial, fungal, and yeast growth in recirculating water cooling towers, add N'GRO NPA at the rate of 0.01 to 0.1 gal. per 100 gal. of water in the system. Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of N'GRO NPA in the mass of water in the towers, basins, and other water tanks. The effect of the chemical is cumulative. Disinfect slime may require breaks in the continuous treatment. The paper machine may be adjusted.

INTERMITTENT SLUG METHOD: In tanks, add 1 gal. N'GRO NPA per ton of paper. In recirculating water cooling towers, add 0.01 to 0.1 gal. N'GRO NPA per 100 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is achieved, add 0.005 to 0.01 gal. N'GRO NPA per 100 gal. of water in the system. Repeat until control is achieved.

Badly fouled systems must be cleaned out, then treated with 1 gal. N'GRO NPA per ton of paper. In tanks, an immediate effect may be expected. **Continued** Addition rates can then be reduced to 0.005 to 0.01 gal. N'GRO NPA per ton of paper on a continuous intermittent basis.

Badly fouled systems must be cleaned out, then treated with 1 gal. N'GRO NPA per ton of paper. In tanks, an immediate effect may be expected. **Continued** Addition rates can then be reduced to 0.005 to 0.01 gal. N'GRO NPA per ton of paper on a continuous intermittent basis.

Optimum performance with this product is achieved by the continuous intermittent treatment. If "shock" treatment is used, the following rate of application should be used for 24-48 hr.

NOTE: Refer to the technical bulletin for N'GRO NPA Antimicrobial. Also see related use directions, safety precautions, and other information.

STORAGE AND DISPOSAL: Keep container tightly closed. Do not re-use empty container. Destroy it by burying it with waste in an approved area.

NOTICE: Stauffer Chemical Company makes no warranty, express or implied, including warranties of merchantability and or fitness for any particular purpose, concerning this material except those which are contained on Stauffer's label.