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NALCO® 60620  
A MICROORGANISM CONTROL CHEMICAL

INDUSTRIAL  
SOLUTION

GUARANTEE:  
Ammonia (present as ammonium sulfate) ..... 5.2 %

REGISTRATION NO.: 31168  
PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

Net Contents: L  
Lot No.:

Nalco Canada ULC  
1055 Truman St.  
P.O. Box 5002  
Burlington, Ontario  
L7R 3Y9  
TEL: (905) 633-1000  
PHONE IN CASE OF EMERGENCY:  
CANADA 1-800-463-3216 (24 HOURS)

**DIRECTIONS FOR USE:**

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT discharge effluent containing the biocide produced, into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters unless the effluent has been detoxified by suitable means.

For the control of bacteria and fungi. Nalco 60620 must be used in conjunction with: 1) a 12.5% sodium hypochlorite solution to produce chloramine; and 2) the OxiPRO delivery system at a pH of >8.5 as described below. The OxiPRO delivery system can be configured for a primary or secondary dilution strategy. Your Nalco technical representative will determine which OxiPRO delivery system configuration is appropriate for treatment of your system. The product as drummed is not a microbiocide. Nalco 60620 and the sodium hypochlorite are mixed in a specially designed OxiPRO system that produces the chloramine solution on site.

The products are blended to achieve a molar ratio of 0.5-1.2 to 1.0 of ammonium sulfate to sodium hypochlorite. The chloramine is typically achieved by mixing 1.3 L of Nalco 60620 with 1.0 L of sodium hypochlorite (12.5%).

The OxiPRO delivery system controller ensures the automatic production of the diluted chloramine solution, controls the optimization of the production process, and ensures adequate dosing into the water system requiring treatment.

The design, treatment, installation, calibration, and operation of the feeding system in all plants are to be conducted only by authorized and trained personnel. Use of this product for any other purpose or contrary to the instructions below, or without the supervision of authorized trained personnel is prohibited.

Note: Do not use other feeding modes to mix Nalco 60620 and the sodium hypochlorite.

Non-authorized personnel are prohibited from operating or otherwise handling the feeding system or its chemical ingredients.

#### PULP AND PAPERMILL WATER SYSTEMS

**Dosage Rates:** When the system is noticeably fouled, apply sufficient chloramine to achieve 1-10 ppm of total chlorine residual in excess of the system oxidant demand. The chloramine dosage is typically achieved by mixing 1.3 L of Nalco 60620 with 1.0 L of sodium hypochlorite (12.5%). The chloramine solution produced by the delivery system is immediately added to the process waters for which treatment is required. The chloramine solution may be added to any point of uniform mixing. Addition may be continuous or intermittent depending on the severity of the contamination when treatment starts, and on other system operation parameters. If chloramine is detected in the effluent, it must be neutralized to undetectable levels by the addition of sodium metabisulfite or other suitable means.

**INITIAL DOSE:** When the system is noticeably fouled, add the appropriate amount of chloramine to the system to obtain from 1 to 10 ppm total chlorine in excess of the system oxidant demand. Repeat until control is achieved. Badly fouled systems must be cleaned before treatment is begun.

#### SUBSEQUENT DOSE:

A. **SLUG FEED METHOD** When the system is noticeably fouled, slug feed chloramine at rates up to 10 ppm. When microbial control is evident, resume intermittent or continuous feed treatments.

B. **INTERMITTENT FEED METHOD** When microbial control is evident, add the appropriate amount of chloramine to the system to obtain a 0.5 – 5 ppm total chlorine residual. When the system is noticeably fouled, the treatment rates can be raised up to 10 ppm total chlorine.

C. **CONTINUOUS FEED METHOD** When microbial control is evident, start a continuous feed of chloramine to maintain a 0.5 – 5 ppm total chlorine residual. When the system is noticeably fouled, the treatment rates can be raised up to 10 ppm total chlorine.

#### PRECAUTIONS:

**KEEP OUT OF REACH OF CHILDREN.** May cause irritation with prolonged contact.

Do not get in eyes, on skin, on clothing. Do not take internally. Avoid breathing vapor or spray mist. Use with adequate ventilation. May irritate eyes and skin. Wear protective eyewear (goggles, or face shield and safety glasses), coveralls or long pants and long sleeved shirt, chemical resistant gloves, socks and

chemical resistant footwear during loading, cleanup and repair activities. Wash thoroughly with soap and water after handling.

#### FIRST AID:

If swallowed, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing, Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further advice.

If in eyes, Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label, or product name and Pest Control registration number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL HAZARDS: This product and the biocide produced by the chemical feed system are TOXIC to aquatic organisms.

STORAGE: To prevent contamination store this product away from food or feed.

#### DISPOSAL:

1. Triple– or pressure–rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of spill, and for cleanup of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

TDG Shipping Name: PRODUCT IS NOT REGULATED DURING TRANSPORTATION