

# NALCO 7346 GRAN

**MICROBIOCIDES FOR CONTROL OF BACTERIA, FUNGI AND ALGAE IN  
RECIRCULATING COOLING WATER SYSTEMS AND AIRWASHERS  
GRANULES  
COMMERCIAL  
WARNING**

**POISON**

**CORROSIVE**

**READ THE LABEL BEFORE USING**

REGISTRATION NO.: 27236  
PEST CONTROL PRODUCTS ACT

**KEEP OUT OF REACH OF CHILDREN**

**GUARANTEE:**

1-bromo-3-chloro-5,5-dimethylhydantoin.....60.0%  
1,3-dichloro-5,5-dimethylhydantoin.....27.4%  
1,3-dichloro-5-ethyl-5-methylhydantoin.....10.6%  
Available bromine 39.2% Available chlorine 44.4%

**Net Contents:**

Nalco Canada Co.  
P.O. Box 5002  
Burlington, Ontario  
L7R 3Y9  
TEL: (905) 632-8791

**PHONE IN CASE OF EMERGENCY:  
CANADA 1-800-463-3216 (24 HOURS)**

**DIRECTIONS FOR USE:**

**RECIRCULATING COOLING WATER SYSTEMS**

Nalco 7346 Gran aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water towers, influent systems such as flow through filters, lagoons etc., and industrial water scrubbing systems. This product may be added to systems either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**FOR CONTROL OF BACTERIA AND FUNGI INTERMITTENT OR SLUG METHOD.**

**INITIAL DOSE:** When the system is noticeably fouled, add 60 to 600 gms to 5000 liters or 12 to 120 parts per million of the water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident add 60 to 450 gms to 5000 liters or 12 to 90 parts per million of water in the system every 3 days or as needed to maintain control.

**CONTINUOUS FEED METHOD**

**INITIAL DOSE:** When a system is noticeably fouled, add 60 to 600 gms to 5000 liters or 12 to 120 parts per million of water in the system. **SUBSEQUENT DOSE:** Continuously feed to maintain a dosage of 60 to 450 gms to 5000 liters or 12 to 90 parts per million of water in the system.

**FOR CONTROL OF ALGAE INTERMITTENT OR SLUG METHOD**

**INITIAL DOSE:** When the system is noticeably fouled add 60 to 600 gms per 5000 liters or 12 to 120 parts per million of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When algae control is evident add 60 to 450 gms to 5000 liters daily or 12 to 90 parts per million daily or as needed to maintain control.

#### **CONTINUOUS FEED METHOD**

**INITIAL DOSE:** When the system is noticeably fouled add 60 to 600 gms to 5000 liters or 12 to 120 parts per million of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** Continuously feed to maintain a dosage of 60 to 450 gms to 5000 liters or 12 to 90 parts per million of water in the system.

#### **AIRWASHERS**

For use only in industrial airwasher systems that maintain effective mist eliminating components. Nalco 7346 Gran controls slime forming bacteria, fungi and algae in industrial airwasher systems. Add Nalco 7346 Gran at the rate of 60 to 600 gms (12 to 120 ppm) per 5000 liters of water in the system, depending upon the severity of the contamination. Control the application by measuring the free chlorine residual in the treated water. There is no need to exceed 1.0 ppm as free chlorine. Badly fouled systems must be cleaned before treatment is begun.

#### **INTERMITTENT OR SLUG METHOD**

**INITIAL DOSE:** When system is noticeably fouled add to airwasher sump or chill water sump to insure uniform mixing. Add 60 to 600 gms to 5000 liters or 12 to 120 parts per million of water. **SUBSEQUENT DOSE:** When microbial control is evident add 60 to 360 gms to 5000 liters or 12 to 72 parts per million of water.

#### **CONTINUOUS FEED METHOD**

**INITIAL DOSE:** When system is noticeably fouled add to airwasher sump or chill water sump to insure uniform mixing. Add 60 to 600 gms to 5000 liters or 12 to 120 parts per million of water. **SUBSEQUENT DOSE:** When microbial control is evident add 60 to 360 gms to 5000 liters or 12 to 72 parts per million.

#### **PAPER AND PAPERBOARD PROCESS WATER**

This product is intended for use as a slimeicide for the process water used in the manufacture of paper and paperboard products. Use 0.05 – 0.50 kg of Nalco 7346 Gran in 10,000 liters of process water (5 ppm to 50 ppm of active ingredient in the system water). Repeat as needed to maintain one to three ppm bromine residual for at least 4 hours. At the above rate, this product may be used in the manufacture of paper and paperboard products that may contact food.

#### **PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. HIGHLY CORROSIVE. DO NOT TAKE INTERNALLY.** Causes eye and skin damage. Irritating to nose and throat. Avoid breathing dust. Use with adequate ventilation. Do not get into eyes, on skin or clothing. Wear rubber gloves and goggles or face shield when handling. Wash thoroughly after handling. Immediately remove contaminated clothing and wash before reuse.

#### **FIRST AID:**

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.

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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:**

Probable mucosal damage may contraindicate the use of gastric lavage.

**ENVIRONMENTAL HAZARD:**

This product is toxic to fish. Do not discharge into lakes, streams, ponds or public waters.

**DISPOSAL:**

For Porta-Feed System: 1. Close valve. 2. Arrange for return of Porta-Feed. For Other Containers: 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.

**PHYSICAL AND CHEMICAL HAZARDS:**

Strong oxidizing agent. Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire and explosion. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with fire and explosion. In case of contamination or decomposition do not reseal container. If possible, isolate container in open air or well ventilated area, if necessary flood with large volumes of water.

**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.

Lot No.:

TDG Shipping Name: OXIDIZING SOLID, CORROSIVE, N.O.S.( 1-BROMO-3-CHLORO-5,5,-  
DIMETHYLHYDANTOIN, 1, 3-DICHLORO-5,5-DIMETHYLHYDANTOIN ), Class 5.1(8), UN3085, PG II

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