DANGERS. CORROSIVE: Causes irreversible eye damage. May be fatal if inhaled or swallowed. Causes skin irritation. Do not get in eyes, on skin or clothing. Do not breathe dust. When loading or handling wear protective eyewear (goggles or face shield), long-sleeved shirt and long pants, socks, shoes, chemically resistant gloves, and a properly approved respirator. Prolonged or frequent exposure to skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing separated from other before reuse.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Apply this product only as specified on this label. Do not contaminate water by equipment, or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters, unless in accordance with the requirements of a National Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your local State Water Board or Regional Office of the EPA.

NOTE: Do not store with food, feeds, drugs, or clothing.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal. Over-dumping is prohibited.

STORAGE: To maintain product quality, store at temperatures below 60¢C. Keep container tightly closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixtures, or residue is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or your local Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Tradable rinse (or equivalent) container promptly after emptying. Tradable rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drop. Fill the container with water and recirculate for 10 seconds. Pour rinse into application equipment or a mix tank or store rinse for later use or disposal. Drain for 10 seconds after the flow begins to drop. Repeat this procedure for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, by other procedure approved by State authorized officials.

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

NOTE: ADD NALCON 7649 SEPARATELY TO THE SYSTEM. Do not mix it with other additives, in order to avoid decomposition of Nalcon 7649 due to high pH of many additive formulations. BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.

INDUSTRIAL PRESERVATION
Nalcon 7649 may be used to reduce microbiological contamination in raw materials and/or products such as aqueous paints and coatings, polishes, slurries, adhesives, pigments (slurries); controls bacteria, fungi and yeasts in paper mills.

FOR INDUSTRIAL USE

ACTIVE INGREDIENT:
2.2-Dibromo-3-nitropropionamide, ...............20%
INERT INGREDIENTS:
.......................80%
TOTAL: ........................................100%

Weight/Gallon: 10.6 pounds.

KEEP OUT OF REACH OF CHILDREN

DANGER

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. Call a poison control center or doctor for further 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 treatment advice.

If SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. Do not give anything to an unconscious person. If ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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

If you have the product label or container when calling a poison control center or doctor or going to treatment. For emergency information on Nalcon 7649 call the National Poison Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-888-222-1222.

PERSONAL PROTECTIVE EQUIPMENT
Applicators and other handlers must wear: coveralls over long-sleeved shirt and long pants, socks and chemical-resistant footwear, gloves and face shield, and chemical-resistant gloves (such as barrier laminate butyl nitrile/neoprene rubber, PVC, or vinyl). Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep wash and PPE separately from other laundry.

User Safety Requirements
Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Application Restrictions:
Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Environmental Controls:
When handlers use closed metering systems the handler requirements may be reduced or modified to long -term treatment. Application rates can then be reduced to 0.114 – 0.264 pints per ton (0.15 – 0.35 lb/ton) of pulp on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the machine may be advisable.

EPA REG. NO. 1706-138

EPA EST. NO. 1706-CA-1
EPA EST. NO. 1706-PA-1
EPA EST. NO. 1706-CN-1
EPA EST. NO. 1706-WA-1

PAPERMILLS
For control of bacterial, fungal, and yeast deposits in pulp, paper, and paperboard mills, add Nalcon 7649 at the rate of 0.114 – 0.384 pints per ton (0.15 – 0.50 lb/ton) of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. Nalcon 7649 must be added with a metering pump at a location that will insure uniform distribution in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broken chest, furnish chests, save-alls, and white water tanks.

MODERATELY FOULED SYSTEMS must be boiled out, then treated with 0.114 – 0.384 pints per ton (0.15 – 0.50 lb/ton) of pulp or paper (dry basis) as necessary for control.

ELEVATE FOULED SYSTEMS must be treated continuously with 0.264 – 0.384 pints (0.35 – 0.50 pounds) of Nalcon 7649 per ton of paper (dry basis) until the deposit accumulation is controlled. Addition rates can then be reduced to 0.114 – 0.264 pints per ton (0.15 – 0.35 lb/ton) of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the machine may be advisable.

SLIGHTLY FOULED SYSTEMS must be treated continuously with 0.114 – 0.264 pints (0.15 – 0.35 pounds) of Nalcon 7649 per ton of paper (dry basis) until the slime is controlled, then an intermittent basis to maintain control.

LIQUID CONCENTRATES
DESCRIPTION: Nalcon 7649 is a preservative, which effectively inhibits the growth of microorganisms in emulsions, coatings, waxes, polishes, sizing, caulk, ink, adhesive, and pigment slurries.

TYPICAL USE LEVELS: Laboratory testing and customer use shows Nalcon 7649 is typically effective when applied at concentrations shown below. The exact amount necessary for the preservation of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by actual testing. All concentrations are based on the total formulation weight.

EFFECTIVE CONCENTRATION

Latex Emulsions
0.05 – 0.16%
Adhesives
0.05 – 0.6%
Waxes, Polishes and Ink
0.05 – 0.4%
Paints and Inks
0.04 – 0.9%
Aquous Paints and Coatings
0.08 – 0.3%

Net contents shown elsewhere on container.

NaCl Company
1601 West Dielrich Road
Naperville, IL 60543-1198
Emergency Phone No.: (800) 424-9300

Revised: 10/28/2010
UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2.2-Dibromo-3-nitropropionamide), R, III
[MP: 2.2-Dibromo-3-Nitropropionamide]
**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by leakage or disposal. Open pails are prohibited.

**STORAGE:** To maintain product quality, store at temperatures between 40° to 60° C. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse water is a violation of Federal Law. In some instances lower levels of Nalcon 7649 may be effective. The required concentration will depend on the material being treated and the level of contamination present. Matrix effects that can impact the efficacious level of Nalcon 7649 per 1000 gallons or 107 to 1712 milliliters Nalcon 7649 per 1000 liters. In some instances, lower rates can then be reduced to 0.114 to 0.264 pints per ton (0.15 – 0.50 lb/ton) of pulp or paper (dry basis) as necessary for control. MODERATELY FOULED SYSTEMS must be treated continuously with 0.264 – 0.384 pints (0.35 – 0.50 pounds) of Nalcon 7649 per ton of paper (dry basis) until the deposit accumulation is controlled. Addition rates can then be reduced to 0.114 to 0.264 pints per ton (0.15 – 0.35 pounds) of paper on a continuous or intermittent basis, as needed for control. Follow all manufacturers’ instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PE separately from other laundry. Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PE separately from other laundry.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

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 rinsing eyes for at least 5 minutes. Call a poison center 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 treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Probable maximal damage may correspond to the use of gastric lavage. Measures against respiratory toxicity, respiratory depression and convulsions may be needed.

Have the product container or label with you when calling a poison control center or doctor or going to treatment.

For emergency information on Nalcon 7649 call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:00 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1- 800-222-1222.

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear: overalls over long-sleeved shirt and long pants, socks and chemical-resistant footwear, goggles or face shield, and chemical-resistant gloves (such as latex, neoprene, butyl, nitrile, or coated nitrile).

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PE separately from other laundry.

**User Safety Requirements**

Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Application Restrictions**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

**Emergency Controls**

When handling used closed metering systems the handler may require additional or modified to reduce long-sleeve shirt, long pants, shoes and socks.
DANGER, CORROSIVE: Causes irreversible eye damage. May be fatal if inhaled or swallowed. Causes skin irritation. Do not get in eyes, on skin or on clothing. Do not breathe dust. When loading or handling, wear protective eyewear (goggles or face shield), long-sleeved shirt and long pants, socks, shoes, chemically resistant gloves, and properly approved respirator. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing separated from other before reuse.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewers without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

NOTE: Do not store or offer for recycling, if available, or recondition, or puncture and dispose of in a sanitary landfill, or flush down a drain. This container must be closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or irinate is a violation of Federal Law. If these wastes cannot be disposed of by use according to instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into another container of liquid or solid waste or into a hazardous waste stream proper for disposal.

Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by another procedure approved by state or local authorities. Contact your State Pesticide or Environmental Control Agency, or your State Health Department for guidance. Cleaning before refilling is the responsibility of the refiller. To clean this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into another container of liquid or solid waste or into a hazardous waste stream proper for disposal.

DIRECTIONS FOR USE

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

NOTE: ADD NALCON 7649 SEPARATELY TO THE SYSTEM. Do not mix it with other additives, in order to avoid decomposition of Nalcon 7649 due to high pH of many additive formulations. BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.

INDUSTRIAL PRESERVATION

Nalcon 7649 may be used to reduce microbiological contamination in raw materials and/or products such as aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions, sizing, caulk, and process water, along with specially industrial materials including inks, polishes, waxes, detersgents & cleaners.

TO REDUCE MICROBIOLOGICAL CONTAMINATION

Adding Nalcon 7649 to the material or product at concentrations ranging from 125 to 2000 ppm by weight will typically provide effective reduction. This concentration is equivalent to 14 to 224 fluid ounces Nalcon 7649 per 1000 gallons or 3.08 to 51.2 milliliters Nalcon 7649 per 1000 liters. In some instances lower levels of Nalcon 7649 may be effective. The required concentration will depend on the material treated and the level of contamination present. Matrix effects that can impact the efficacia level of Nalcon 7649 include:

- Fish-feeding rate
- pH of media
- Oxygen level
- Presence of other sanitizers
- Presence of other additives

To determine the exact dosage for a given application you will need to test it within your own system.

Note: For preservative applications in coating formulations and in component slurries and emulsions used in the production of paper and paperboard and in coatings for paper and paperboard, dosage may not exceed 500 ppm product.

DIRECTIONS FOR USE (CONTINUED)

For control of bacterial, fungal, and yeast deposits in pulp, paper, and paperboard mills, add Nalcon 7649 at the rate of 0.114 – 0.384 pints per ton (0.15 – 0.50 lb/ton) of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. Nalcon 7649 must be added with a metering pump at a location that will insure uniform distribution in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broke chests, furnish chests, save-alls, and white water tanks. HEAVILY FOULED SYSTEMS must be boiled out, then treated with 0.114 – 0.384 pints per ton (0.15 – 0.50 lb/ton) of pulp or paper (dry basis) as necessary for control. MODERATELY FOULED SYSTEMS must be treated continuously with 0.264 – 0.384 pints per ton (0.35 – 0.50 lb/ton) of Nalcon 7649 per ton of paper (dry basis) until the deposit accumulation is controlled. Addition rates can then be reduced to 0.114 – 0.264 pints per ton (0.15 – 0.35 lb/ton) of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the machine may be advisable. SLIGHTLY FOULED SYSTEMS must be treated continuously with 0.114 – 0.264 pints per ton (0.15 – 0.35 lb/ton) of Nalcon 7649 per ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

LIQUID CONCENTRATES

DESCRIPTION: Nalcon 7649 is a preservative, which effectively inhibits the growth of microorganisms in emissions, coagulants, waxes, polishes, sizing, caulk, ink, adhesive, and pigment slurries.

TYPICAL USE LEVELS: Laboratory testing and customer use shows Nalcon 7649 is typically effective when applied at concentrations shown below. The exact amount necessary for the preservation of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by actual testing. All concentrations are based on the total formulation weight.

EFFECTIVE CONCENTRATION

Latex Emulsions: 0.05 – 0.1% Adhesives: 0.05 – 0.8% Waxes, Polishes and Ink: 0.05 – 0.4% Pigment Slurries: 0.04 – 0.9% Aqueous Paints and Coatings: 0.05 – 0.8%