PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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 handling or wearing protective eyewear, long-sleeved shirt and long pants, socks, shoes, chemically resistant gloves and a NIOSH approved respirator. Prolonged or frequently repeated 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 cleaning of equipment, or disposal of waste. 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 sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

NOTICE: Do not ship or store with foods, feeds, drugs or clothing.

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

STORAGE: To maintain product quality, store at temperatures between 50°F and 90°F. Container tightly closed when not in use. Protect from freezing and temperatures in excess of 140°F. Keep container closed when not in use. If contents are spilled or leaked due to container damage, collect liquid with absorbent material and dispose of in accordance with local, state and federal pesticide disposal regulations.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide can cause serious injury to humans and animals, and may be illegal. Follow the instructions on the label for disposal. Do not discard in surface waters, septic tanks, or storm drains. Contact your state pesticide disposal representative for instructions on disposing of pesticide container that has contained PermaClean PC-11.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container.

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 a doctor immediately for treatment advice.

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

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. NOTE: Add PC-11 to your system at least once every 10 days. Do not mix it with other additives, in order to avoid decomposition of PermaClean PC-11 due to high pH of many additive formulations. BADLY POURED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS REGRESSED. AFTER CLEANING, FLUSH SYSTEM WITH PERMATEX TO REMOVE ANY RESIDUAL CLEANER.

FOR CONTROL OF BACTERIAL POULING
For controlling bacterial fouling of ultra filtration units, non-oxidative and non-oxidative reverse osmosis membranes and peripheral systems [where approved for compatibility by the membrane manufacturer or demonstrated by other means to be compatible], add this product to the system inlet water or before any other contaminated area ahead of the Reverse Osmosis or Ultrafiltration unit. Additional treatment must be made with a neutralizing agent on an intermittent basis depending on the severity of contamination when treatment is begun, and the guidelines specified by the membrane manufacturer or demonstrated by other means to be compatible. During use of this product for ultrafiltration units and reverse osmosis membranes, both permeate and reject water must be directed to the drain. Once treatment has been completed, rinsing with freshwater should be continued until conductivity values in the permeate are at or below values before treatment with this product.

INITIAL DOSE: When the system is noticeably fouled, add 0.051 gal PermaClean PC-11/1000 gal of freshwater (50-100 gpm). Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible. Minimum contact time must be 15 minutes.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0251 gal PermaClean PC-11/1000 gal of freshwater (25-100 gpm) as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible.

FOR INDUSTRIAL USE
Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1198

EMERGENCY PHONE NO.: (800) 424-9300

UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,2-Dihydro-3-Nitripropionamide), 8, III
**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**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 handling or handling waste protective eyewear (goggles or face shield), long-sleeved shirt and long pants, socks, shoes, chemically resistant gloves and a NIOSH approved respirator. Prolonged or frequently repeated 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 separately from other fabrics.**

**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 sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**NOTICE:** Do not ship or store with foods, feeds, drugs or clothing.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**STORAGE:** To maintain product quality, store at temperatures between 60°F and 70°F. Keep container tightly closed when not in use. Protect from freezing and temperatures in excess of 140°F. Keep container closed when not in use. If contents are spilled or leaked due to container damage, collect liquid with absorbent material and dispose of in accordance with local, state and federal pesticide disposal regulations.

**FERTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, including misapplication 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 the Hazardous Waste representative at the nearest EPA office for guidance.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse (or equivalent) container promptly after emptying. Triple rinse followed by emptying rinses contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto it's other end and tip it back and forth several times. Empty the rinse into application equipment or a mix tank or store rinse for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

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<tr>
<td>NET CONTENTS SHOWN ELSEWHERE ON CONTAINER</td>
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<th>NALCO PermaClean® PC-11</th>
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<td>A MICROORGANISM CONTROL CHEMICAL FOR THE TREATMENT OF ULTRA FILTRATION UNITS AND NON-MEDICAL/ NON-TOXIC REVERSE OSMOSIS MEMBRANES &amp; PERIPHERAL SYSTEMS</td>
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<td>ACTIVE INGREDIENT: 2,2-Dibromo-3-nitropropionamide</td>
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<td>INERT INGREDIENTS</td>
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**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**FIRST AID**

If in eyes:
- Hold eyes 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 a doctor immediately for treatment advice.

If ingested:
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.
- Call a poison control center or a 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 by mouth 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 a doctor for treatment advice.

NOTE TO PHYSICIAN:
- Aspiration may cause lung damage. Probable moral damage may contraindicate the use of gastric lavage.

If here the product container or label with you calling a poison control center or doctor if going to treatment.

For emergency information on PermaClean PC-11 call the National Pesticide Information Center at (800)-883-7798, 6:30 AM to 6:30 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: overshoes over long-sleeved shirt and long pants, socks and chemical-resistant gloves (such as barrier laminate or latex/nylon/polyurethane rubber, PVC, or similar). 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.

**ENGINEERING CONTROLS**

When handlers use closed metering systems the handler requirements may be reduced or modified if long-sleeve shirt, long pants, shoes, and PPE are used.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Note: Add PermaClean PC-11 separately to the system. Do not mix it with other additives, in order to avoid decomposition of PermaClean PC-11 due to high pH of many additive formulations.

**BADLY FOULING SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGIN. AFTER CLEANING, PUMP SYSTEM WITH PERMATE TO REMOVE ANY RESIDUAL CLEANER.**

**FOR CONTROL OF BACTERIAL FOULING**

For controlling bacterial fouling of ultra filtration units, non-medical or non-toxic reverse osmosis membranes and peripheral systems (where approved for compatibility by the membrane manufacturer or demonstrated by other means to be compatible), add this product to the system inlet water or before any other contaminated area ahead of the Reverse Osmosis or Ultrafiltration unit. Additions must be made at a metering pump on an intermittent basis depending on the severity of contamination when treatment is begun, and the guidelines specified by the membrane manufacturer or other means to be compatible. During use of this product for ultrasound units and reverse osmosis membranes, both permeate and reject water must be directed to the drain. Once treatment has been completed, rinsing with freshwater should be continued until conductivity values in the permeate are at or below values before treatment with this product.

**INITIAL DOSE:** When the system is noticeably fouled, add 0.05-0.1 g PermaClean PC-11/1000 g of freshwater (50-100 ppm). Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer or other means to be compatible. Maximum contaminant time must be 15 minutes.

**SUBSEQUENT DOSE:** When microbial control is evident, add 0.025-0.1 g PermaClean PC-11/1000 g of freshwater (20-100 ppm) as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer or other means to be compatible.

**FOR INDUSTRIAL USE**

**Nako Company**

1601 West Diehl Road

Naperville, IL 60563-1198

EMERGENCY PHONE NO.: (800) 424-9300

**UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,2-Dibromo-3-Nitropropionamide), B, II**

**Revised:** 9/23/2013

**Certified to NSF/ANSI 60**
PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
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 cleansing or handling wear protective eyewear (goggles or face shield), long-sleeved shirt and long pants, socks, shoes, chemically resistant gloves and a NIOSH approved respirator. Prolonged or frequently repeated 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 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 sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

NOTICE: Do not ship or store with foods, feeds, drugs or clothing.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. STORAGE: To maintain product quality, store at temperatures below 60° C. Keep container tightly closed when not in use. Protect from freezing and temperature excursions of 140° F. Keep container closed when not in use. If contents are spilled or leaked due to container damage, collect liquid with absorbent material and dispose of in accordance with local, state and federal pesticide disposal regulations.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray materials, and containers is prohibited by Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Unit 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. Clearing the container before final disposal is the responsibility of the person disposing of the container. Clearing before selling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container with approximately 10 percent full with water. Agitate vigorously or recirculate water with the pump for 3 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

EPA Reg. No.: 1706-138
EPA Est. No. 1706-HL-1
EPA Est. No. 1706-CA-1
EPA Est. No. 1706-CN-1
EPA Est. No. 1706-LA-1
EPA Est. No. 1706-PA-1
EPA Est. No. 1706-WA-1
EPA Est. No. 68708-OK-1
EPA Est. No. 68708-TX-1
NET CONTENTS SHOWN ELSEWHERE ON CONTAINER

Revised: 9/23/2013
UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,2-Dibromo-3-Nitropropionamide), 8, III

NALCO PermaClean® PC-11
A MICROORGANISM CONTROL CHEMICAL FOR THE TREATMENT OF ULTRA FILTRATION UNITS AND NON-MEDICAL/NON-POSSIBLE REVERSE OSMOSIS MEMBRANES & PERIPHERAL SYSTEMS

ACTIVE INGREDIENT:
2,2-Dibromo-3-nitropropionamide........... 20.0%
INSERT INGREDIENTS........................................... 80.0%
TOTAL......................................................... 100.0%
Weight/Gallon = 10.6 pounds

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

If in eyes:
Hold eye open and instill 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 a doctor immediately for treatment advice.

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

NOTE TO PHYSICIAN:
Aspiration may cause lung damage. Probable mucosal damage may contribute to the use of gastric lavage.
Have this product container or label with you when calling a poison control center or doctor or going to treatment.
For emergency information on PermaClean PC-11 call the National Poison Control Center at 1-800-222-1222. 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison center control at 1-800-529-1222.

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

Engineering Controls:
When handlers use closed metering systems the handler requirements may be reduced or modified to long-sleeved shirt, long pants, sleeves and socks.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
NOTE: Add PermaClean PC-11 separately to the system. Do not mix it with other additives, in order to avoid decomposition of PermaClean PC-11 due to high pH of many additive formulations.
BADLY POULDED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN. AFTER CLEANING, FILL SYSTEM WITH PERMASEP TO REMOVE ANY RESIDUAL CLEANER.

FOR CONTROL OF BACTERIAL FOULING
For controlling bacterial fouling of ultrafiltration units, non-medical or non-pollable reverse osmosis nanofiltration membranes and peripheral systems [where approved for compatibility by the membrane manufacturer or demonstrated by other means to be compatible], add this product to the system inlet water or before any other contaminant area ahead of the Reverse Osmosis or Ultrafiltration unit. Addition must be made with a metering pump on a continuous basis, depending on the severity of contamination when treatment is begun, and the guidelines specified by the membrane manufacturer or demonstrated by other means to be compatible. During use of this product for ultrafiltration units and reverse osmosis membranes, both permeate and reject water must be directed to the drain. Once treatment has been completed, rinsing with freshwater should be continued until conductivity values in the permeate are at or below values before treatment with this product.
INITIAL DOSE: When the system is noticeably fouled, add 0.05-0.1 gal PermaClean PC-11/1000 gal of feedwater (50-100 ppm). Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible. Minimum contact time must be 15 minutes.
SUBSEQUENT DOSE: When microbial control is evident, add 0.025-0.1 gal PermaClean PC-11/1000 gal of feedwater (25-100 ppm) as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible.

FOR INDUSTRIAL USE

Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1198
EMERGENCY PHONE No.: (800) 424-5300

NSF Certified to NSF/ANSI 60

CERTIFIED TO NSF/ANSI 60