**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 loading or handling wear protective eyewear (goggles or face shield), long-sleeved shirt and long pants, shoes, chemically resistant gloves and a NIOSH approved respirator. Prolonged or frequent 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.

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**STORAGE AND DISPOSAL**

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

**STORAGE:** Maintain product quality, store at temperatures below 60 °C. Keep container tightly closed when not in use.

**PESTICIDE DISPOSAL:** Pesticides are acutely hazardous. Improper disposal of excess pesticide, spray mixture, 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 the 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. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¾ full with water. Place 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 its 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 procedures approved by state and local authorities.

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**FINISHING INGREDIENTS**

**ACTIVE INGREDIENT:**
- 2,2-Dibromo-3-nitropropionamide .................. 20.0%

**INERT INGREDIENTS:**
- .............. 80.0%

**TOTAL:** ........................................... 100.0%

**Weight/Gallon = 10.6 pounds**

**KEEP OUT OF REACH OF CHILDREN**

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**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 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 to 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 miosis damage may contraindicate the use of gastric lavage.
- Have the product container or label with you when calling a poison control center or doctor going to treatment.

For emergency information on PermaClean PC-11 call the National Pesticides Information Center at 1-800-858-1175, 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.

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**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 laminates or butyl nitrate/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 and wash PPE separately from other laundry.

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**DOT:** NOT REGULATED DURING TRANSPORTATION IN THE U.S. PER 49CFR 173.154(D), IF TRANSPORTED IN PACKAGE COMPATIBLE WITH THIS MATERIAL.

**IMDG & IATA:** UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,2-Dibromo-3-Nitropropionamide), 8, III

**USER SAFETY RECOMMENDATIONS**

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-sleeve shirt, long pants, shoes 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 SOILED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN ATER CLEANING, FLUSH SYSTEM WITH PERMEATE TO REMOVE ANY RESIDUAL CLEANER.**

**FOR CONTROL OF BACTERIAL FOULING**

For controlling bacterial fouling of ultra filtration units, non-medical or non-potable 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 Ultra-filtration unit. Addition should be made with 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 demonstrated by other means to be compatible. During use of this product for ultrafiltration units and reverse osmosis membranes, both permeate and reject water should be directed to the drain. Once treatment has been completed, rinsing with feedwater 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 should be 15 minutes.

**SUBSEQUENT DOSE:** When microbial control is evident, add 0.025±0.1 gal PermaClean PC-11/1000 gal of feedwater (24-100 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 ONLY**

**NRALCO Company**

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**EMERGENCY PHONE NO.:** (800) 424-9300