PermaClean PC-11

A MICROORGANISM CONTROL CHEMICAL FOR THE TREATMENT OF ULTRA FILTRATION UNITS AND NON-MEDICAL REVERSE OSMOSIS MEMBRANES.

INDUSTRIAL DANGER

POISON CORROSIVE POTENTIAL SKIN SENSITIZER

READ THE LABEL BEFORE USING

REGISTRATION NO.: 25689 PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN

GUARANTEE:

2,2-Dibromo-3-nitrilopropionamide20.00%

Net Contents:

Nalco Canada ULC 1055 Truman Street/ 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:

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 FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN. AFTER 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 reverse osmosis membranes, 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. During use of this product for ultrafiltration units and reverse osmosis membranes, both permeate and reject water should be directed to the drain. Do not discharge to the environment without first detoxifying PermaClean PC-11 effluent with sewage treatment or other effective means. 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 L PermaClean PC-11/ 1000 L of feedwater (50-100 ppm). Repeat until control is achieved and then utilize maintenance dosage rates. Minimum contact time should be 15 minutes.

Subsequent Dose: When microbial control is evident, add 0.025-0.1 L PermaClean PC-11/ 1000 L of feedwater (24-100 ppm) as needed to maintain control.

(FOR INDUSTRIAL USE ONLY)

PRECAUTIONS:

DANGER. KEEP OUT OF REACH OF CHILDREN. DANGER IF CONTACTED, CAUSES SEVERE BURNS TO EYES. EYE CONTACT MAY CAUSE LOSS OF VISION. POTENTIAL SKIN SENSITIZER. Contact with skin may cause chemical burns. May be harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves, a long-sleeved shirt, long pants and shoes plus socks when handling. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide comes in contact with skin through soaked clothing or spills. Then wash skin thoroughly and put on clean clothing. Wash contaminated clothing separate from other laundry prior to reuse. Users should remove protective clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not inhale vapour or mist. Keep container closed when not in use. Use only in a well ventilated area.

FIRST AID:

In case of eye contact, 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. In case of contact with 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 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.

ENVIRONMENTAL HAZARD:

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans, or other waters in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using the product. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority.

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

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. Dispose of the container in accordance with provincial requirements. 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 a spill, and for clean-up of spills.

STORAGE AND HANDLING

Do not contaminate water, food, or feed by storage or disposal. To maintain product quality, store in a cool dark place at temperatures below 35 deg. C. Keep container tightly closed when not in use. KEEP FROM FREEZING.

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: UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains 2,2 DIBROMO-3-NITRILOPROPIONAMIDE), Class 8, PGIII