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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS 767) WASHINGTON, DC 20460	EPA REGISTRATION NO. ( )	DATE OF ISSUANCE <b>APR 20 1989</b>
	TERM OF ISSUANCE	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREГИSTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act)</i>	NAME OF PESTICIDE PRODUCT	

NAME AND ADDRESS OF REGISTRANT (Include ZIP Code)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The following information is provided for your information:

1. The pesticide is registered for use as a \_\_\_\_\_.

2. The pesticide is registered for use on \_\_\_\_\_.

3. The pesticide is registered for use against \_\_\_\_\_.

The following labeling changes are noted below before you release the product:

- a. All the phrase "EPA Registration No. 35495-14."
- b. Add the following statement, in line 15: "Swallowed, belatedly, or inhaled, this product may be harmful. For first aid, see label." (The following information is available: . . . .")

The following information is provided for your information:

1. The pesticide is registered for use as a \_\_\_\_\_.

2. The pesticide is registered for use on \_\_\_\_\_.

3. The pesticide is registered for use against \_\_\_\_\_.

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



Jeff Kempter  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H7504C)

Enclosures

ALAS-478  
Acid-Anionic Sanitizer and Cleaner

Active Ingredients:

Sodium Hypochlorite ..... 1.000  
Sodium Hydroxide ..... 0.500

Inert Ingredients: ..... 4.500

KEEP OUT OF REACH OF CHILDREN  
D A N G E R

STATEMENT OF PRACTICAL TREATMENT (FIRST AID)

**EYES:** Immediately flush eyes with plenty of clean running water for at least 15 minutes, lifting the upper and lower lids occasionally. Call a physician immediately.

**SKIN:** In case of contact, immediately flush affected area with plenty of clean running water for at least 15 minutes, while removing contaminated clothing and shoes. Wash thoroughly before reuse. If burn or irritation occurs, call a physician.

**IF SWALLOWED:** Do not induce vomiting. Drink promptly a large quantity of milk, water, coffee or tea, or, if these are not available, plain clean water. Call a physician.

**NOTE TO PHYSICIAN:** Be sure to advise all usage may contraindicate the use of certain drugs. May irritate mucous membranes, respiratory apparatus, and circulation may be needed.

FOR INDUSTRIAL USE ONLY

See additional precautions on side panel.

EPA Reg. No. 7017-1

EPA Est. 35495-OR-1

NET CONTENTS:

BATCH NO.:

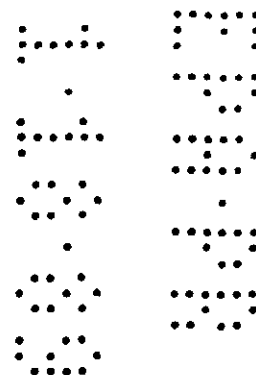
CHEMAX  
5700 NW Front Ave., Portland, OR 97210  
503) 227-1616

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

APR 20 1980

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
Registration for the pesticide  
required under EPA Reg. No.

35495-14



**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Irritates tissues causing eye, nose and skin irritation. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear dust mask, rubber gloves, rubber apron and rubber boots when handling. Remove and wash contaminated clothing before reuse. Keep container tightly closed when not in use. Wash thoroughly after handling. Use protective spray or fumigant. Use with adequate ventilation.

**PHYSICAL AND CHEMICAL HAZARDS**

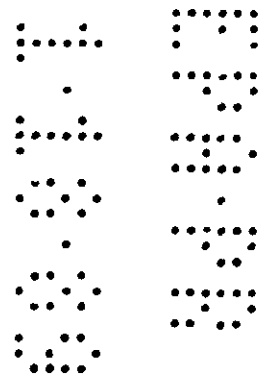
Do not mix with other alkaline cleaners. A violent boiling and spattering may result. Do not mix ALAC-47 with other cleaners, chlorine sanitizers or other oxidizing cleaners as this liberates toxic, corrosive chlorine gas.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not discharge into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and allowed on an NPDES permit. For assistance, contact your State Water Board, Department of Environmental Quality or the U.S. Environmental Protection Agency, Office of Water, Washington, D.C.

ALAC-47 is a powerful liquid alkaline cleaner and sanitizer. It is effective against Gram positive and Gram negative bacteria (Staphylococcus aureus, Pseudomonas aeruginosa and Escherichia coli) at one fluid ounce of ALAC-47 per 10 gallons of water (200 ppm active anionic sanitizer) on stainless steel, painted steel and tile surfaces. ALAC-47 is also effective against Listeria monocytogenes at one fluid ounce per 10 gallons of water on stainless steel and painted steel surfaces. For tile or similar surfaces, one fl. oz of ALAC-47 per 10 gallons of water (40 ppm active anionic sanitizer) is required. All other organisms are determined on a laboratory basis. For more information, contact your local distributor or the manufacturer.

ALAC-47 passes the A.C.I.A.C. Commercial and Detergent Sanitizing Test for food contact surface sanitizer at a concentration of 1 oz. ALAC-47 per 10 gallons of water.



**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labelling.

**GENERAL CLEANING INSTRUCTIONS**

**FOAM CLEANING:** Use 1 oz. of ALAC-473 per each 50 gallons foam made of warm (110-115°F) water. Allow the foam a contact time of 2 minutes, then rinse thoroughly with potable water.

**MANUAL CLEANING:** Add 1 oz. of ALAC-473 per each gallon of warm (110-115°F) water. Scrub or brush on thoroughly to clean all surfaces, then rinse with potable water.

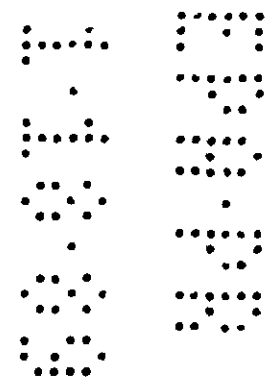
**MIRREAL FILM REMOVAL:** Use 1 oz. of ALAC-473 per each gallon of warm (110-115°F) water. Apply to surfaces by manual procedures or by mechanical foam apparatus and allow a contact time of 5 minutes. Rinse thoroughly with potable water.

**DAIRY, ICE CREAM AND CHEESE PLANT SANITIZING:** For tank trucks, milking tanks, water and plant equipment, use 1 oz. of ALAC-473 per each 10 gallons of water (200 ppm active anionic sanitizer) applied by spray or brush after a thorough cleaning process and potable water rinse. Allow a sanitizer contact time of at least 2 minutes, then drain thoroughly and air dry.

To eliminate Listeria organisms, including Listeria monocytogenes, use 1 oz. of ALAC-473 per each 5 gallons of water (400 ppm active anionic sanitizer) applied by spray or brush after a thorough cleaning process and potable water rinse. Allow a sanitizer contact time of at least 2 minutes, then drain thoroughly and air dry.

**BACTERIOPHAGE CONTROL, CHEESE PLANTS:** After a thorough cleaning and rinse with potable water, sanitize all cheese equipment with an ALAC-473 solution containing 1 oz. of ALAC-473 per each 10 gallons of water (200 ppm active anionic sanitizer). Allow a two-minute sanitizer contact time, then drain the solution from the equipment. Using the appropriate equipment, wet up the floor, if required, to cover all surfaces with an ALAC-473 solution containing 1 oz. of ALAC-473 per each 5 gallons of water (400 ppm active anionic sanitizer). After all surfaces are covered, close the rooms and allow to stand overnight.

**ACIDIFIED RINSE, CIP SANITIZING, DAIRY PLANTS:** Following a thorough cleaning procedure and final rinse with potable water, prepare a 1-oz. of ALAC-473 per each 10 gallons of water (200 ppm active anionic sanitizer) solution and pump it through the lines for at least two minutes. Do not circulate. Drain the sanitizer solution from the lines allowing thorough drainage.



**FOR USE IN DAIRY FARM SANITIZING**

**BULK MILK COOLING TANKS:** Prior to filling the tank with milk, sanitize the tank with a 1-oz. of ALAS-478 per each 10 gallons of water (200 ppm active anionic sanitizer) solution by brush or spray method. Allow a sanitizer contact time of at least 2 minutes, then drain thoroughly and air dry.

**DAIRY FARM UTENSILS:** Prior to use, sanitize the utensils with an ALAS-478 solution (1 oz. per each 10 gallons water) by a rinse, spray, immersion, or brush method. Allow a 2-minute sanitizer contact time, then drain thoroughly and air dry.

**INFLATIONS:** Brush inflations after milking with a warm (100-120°F) ALAS-478 solution containing 1 oz. of ALAS-478 per each 10 gallons of water (200 ppm active anionic sanitizer), using a good inflation brush. Rinse thoroughly with potable water and store as directed by sanitarians or service personnel. Prior to milking, sanitize with an ALAS-478 solution, 1 oz. per 10 gallons of water (200 ppm active anionic sanitizer). Allow a contact time of 2 minutes, then drain thoroughly and air dry.

**BEVERAGE PLANT SANITIZING**

**CIP LINES, CLOSED SYSTEMS:** Prepare a 1-oz. of ALAS-478 per 10 gallons of water (200 ppm active anionic sanitizer) solution and pump it through the lines for at least 2 minutes to sanitize. Do not circulate. Thoroughly drain the solution from the lines.

**PRE-MIX & POST-MIX VENDING MACHINES:** Follow directions of the manufacturer and use a 1-oz. of ALAS-478 per each 10 gallons of water (200 ppm active anionic sanitizer) solution. Allow a sanitizer contact time of 2 minutes, drain thoroughly and air dry.

**GLASSWARE AND BOTTLE SANITIZING:** Following a thorough cleaning procedure with a final potable water rinse, use a 1-oz. of ALAS-478 per each 10 gallons of water (200 ppm active anionic sanitizer) solution by a spray or dip method. Allow a contact time of at least 2 minutes, then drain thoroughly and air dry.

**RESTAURANT AND INSTITUTIONAL ESTABLISHMENT SANITIZING:**

1. Scrape/pre-wash plates, utensils, cups, glasses whenever possible.
2. Wash all items with a good detergent.
3. Rinse thoroughly with potable water.
4. Sanitize in an ALAS-478 solution containing 1 oz. of ALAS-478 per each 10 gallons of water (200 ppm active anionic sanitizer). Immerse all items for at least 2 minutes or for a contact time specified by the local governing sanitizing code.
5. Place all sanitized items on a rack or drainboard to air dry.



## MEAT AND POULTRY PLANT SANITIZING

**CIP AND GIBBLET LINES:** Following a thorough cleaning and potable water rinse, sanitize with a 1-oz. of ALAS-478 per each 10 gallons of water (200 ppm active anionic sanitizer) solution by pumping this solution through the lines for 5 minutes, then drain and air dry.

**PROCESSING EQUIPMENT AND UTENSILS:** After a thorough cleaning and potable water rinse, sanitize by using a 1-oz. of ALAS-478 per each 10 gallons of water (200 ppm active anionic sanitizer) solution by a spray or brush method. Allow a 2-minute contact time, then drain and air dry.

**CONCRETE OR TILE FLOORS AND WALLS:** After a floor cleaning and rinse procedure, sanitize by applying a 1-oz. of ALAS-478 per each 5 gallons of water (400 ppm active anionic sanitizer) solution. Allow a 2-minute contact time, then drain and air dry.

ALAS-478 is accepted by the USDA for use in federally-inspected meat, poultry, shell egg grading and egg products inspection programs.

## STORAGE AND DISPOSAL

### Do Not Contaminate Water, Food or Feed by Storage or Disposal

**STORAGE:** Keep container tightly 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 toxic. Improper disposal of excess pesticide spray mixture or rinsate 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:** **Metal Containers** - Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. **Plastic Containers** - Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incinerator, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.