



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobial Division (7504C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
1706-181

Date of Issuance:
APR 30 1997

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
93NF152

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Nalco Chemical Company
One Nalco Center
Naperville, IL 60563-1198

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 1706-181".

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

Sincerely,

Robert S. Brennis
Acting Product Manager 32
Antimicrobial Division (7504C)

Signature of Approving Official:

Date:

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

CAUTION:

**HARMFUL IF SWALLOWED. CAUSE
MODERATE EYE IRRITATION.**
Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS

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.

PHYSICAL AND CHEMICAL HAZARDS

REDUCING AGENT. Do not allow this product to come in contact with acids or oxidizing agents under conditions other than controlled feed to the system. Use only as directed. Cross mixing of this product with acids or oxidizing agents may cause evolution of hydrogen bromide gas which is poisonous and corrosive.

This product is not flammable. However, in fires fueled by other materials hydrogen bromide or bromine may be released.

STORAGE AND DISPOSAL

STORAGE: Store in a cool dry place away from direct sunlight. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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 by other procedures approved by state and local authorities, by burning. If burned, stay out of smoke.

EPA Reg. No. 1706-*RIR*
EPA Est. No. 1706-IL-1

ACCEPTED
with COMMENTS
EPA Letter Dated:

APR 30 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
registered for the Pesticide Act of
1906



NALCO
93NF152

A hypobromous acid generating source for use in systems such as flume water and transport water of sugar beets utilizing chlorination.

ACTIVE INGREDIENT:	
Sodium Bromide.....	42.8%
INERT INGREDIENTS.....	57.2%
Total.....	100.0%

NET CONTENTS SHOWN ELSEWHERE ON CONTAINER

**KEEP OUT OF REACH OF CHILDREN
CAUTION:**

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

IF ON SKIN: Flush skin with water. Remove and wash contaminated clothing before reuse.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NALCO CHEMICAL COMPANY
6216 WEST 66TH PLACE CHICAGO, IL 60638

EMERGENCY TELEPHONE NUMBER
(800) 462-5378

DIRECTIONS FOR USE:

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

When used as directed, 93NF152 helps to effectively control microbial activity in sugar beet transport water systems.

DOSAGE RATES: Add 93NF152 to the system at a 0.125 to 1.0 sodium bromide to oxidant molar ratio. For example:

- 1) 1.8 to 14.5 pounds of chlorine gas (99.9%) per gallon of 93NF152 solution.
- 2) 1.4 to 11.2 gallons of sodium hypochlorite (12.5% available chlorine) per gallon of 93NF152 solution.

The molar ratio of chlorine to bromine should be chosen based on maximum bromine activation. A sample of drive water should be obtained from the drive water line at the point it enters the flume water. This sample should be titrated for FRO, TRO and bromine oxidant. The lowest molar ratio at which the maximum bromine residual is attained should be the ratio applied to the system. The total concentration of applied halogen must be within label limits.

93NF152 is to be applied neat into the process water at a minimum level necessary to accomplish its intended technical effect and THE BEETS MUST UNDERGO A POTABLE WATER RINSE BEFORE SLICING.

INITIAL DOSE: Application of 93NF152: When the system is noticeably fouled (when the system shows evidence of excessive microbial activity), add 0.0003 to 0.022 gallons of 93NF152 per 1000 gallons of water, oxidizing concurrently with either chlorine gas (0.008 to 0.042 lbs. per 1000 gallons of water), or sodium hypochlorite (0.007 to 0.034 gallons of 12.5% sodium hypochlorite solution per 1000 gals of water).

SUBSEQUENT DOSE: When microbial control is evident, add 0.00014 to 0.022 gallons of 93NF152 per 1000 gallons of water contained in the system, oxidizing concurrently with either chlorine gas (0.004 to 0.042 lbs. per 1000 gallons of contained water), or sodium hypochlorite (0.003 to 0.034 gallons of 12.5% sodium hypochlorite per 1000 gallons of contained water).

FEED SYSTEM: This product is applied to a flume water side stream. The 93NF152 should be fed neat into the bleach feed line or the chlorinator drive water line. A feed position just upstream of the chlorine injection point is preferred.

93NF152 is acceptable under 21CFR173.315(a)(3) for application in sugar beet flume and transport water for washing sugar beets prior to slicing.

