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148-1167

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Thompson-Hayward Chemical Co.
5200 Speaker Road
Kansas City, KS 66110

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Gentlemen:

Subject: Dry Chlorinating Concentrate FF
EPA Registration No. 148-1167
Amendment Application of February 7, 1984

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- (a) We will no longer accept a label declaration of 100% pure active ingredient for any chlorinated derivative of cyanuric acid, because results obtained from modern analytical techniques show that the purity of these products is closer to 99.0% or thereabouts, depending on the quality control procedures exercised by different manufacturers. Therefore, the label for this product must be revised to declare 99.0% active ingredient and 1.0% inert ingredients. The available chlorine statement must also be changed from 56% to 55%.

Other labels which have been accepted with a declaration of 100% will be required to be revised, at an appropriate time, when these labels come up for a general revision to comply with current requirements.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

If the 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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,



R. E. Castillo
Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)

Enclosure

RD-DIS:DCR-45636:Jenkins:pac:Raven:557-2226:RD-44:3/20/84:Del. 4/2/84



DRY CHLORINATING CONCENTRATE FR

for chlorinating pools

**KEEP OUT OF REACH OF CHILDREN
DANGER**

FIRST AID: In case of personal contact, remove excess material and flush skin or eyes with plenty of cold water. For eyes, get immediate medical attention. Clean contaminated clothing before reuse. If swallowed, feed gruel or cooked cereal followed by olive oil or cooking oil. Call a physician immediately.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON BACK PANEL.

ACTIVE INGREDIENT: Sodium Dichloro-s-Triazinetrione Dihydrate.....	100%	99%
Available Chlorine.....	56%	55%

EPA REG. NO. 148-1167

EPA EST. NO. 148-R5-1

EXCERPT
with COMMENTS
in EPA Letter Date:

APR 26 1984

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this product is
registered under EPA Reg. No.

148-1167

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

DANGER. Corrosive. Causes eye damage. Do not get in eyes or on skin. Wear safety goggles, dust respirator and protective clothing when handling. Do not breathe dust. Dust may be harmful if inhaled. May cause skin, nose and throat irritation. May be fatal if swallowed. May cause burns to broken skin. Do not use on humans or household pets. Keep out of reach of food and feed.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Treated pool effluent water should not be discharged where it will drain into lakes, streams, ponds or public water. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL OR CHEMICAL HAZARDS

Strong oxidizing agent. Moisture contamination may liberate irritating and hazardous chlorine-containing gases. Mix only with water. Do not mix with other pool chemicals. Use only dry, clean measuring utensils.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in cool, dry, well ventilated area. Retie polyethylene bag and replace lid when not in use. Wear protective clothing, gas tight chemical goggles, rubber liquid-proof gloves and USBM approved gas mask with appropriate canister for chlorine. Minor spills should be washed down with large quantities of water and flushed to sewer. Avoid contact with other nitrogen compounds. Do not flush to fresh water. Should not be mixed with ammonia, ammonium compounds, amines, other nitrogen compounds, reducing agents, easily oxidized organics, strong oxidizers, acids and alkalis. If fire occurs, use lots of water. Decomposes at 350-475°F with liberation of harmful gases. In case of decomposition, if possible isolate container to open air or well ventilated area and flood with large volumes of water if necessary.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse container. Rinse thoroughly before discarding in trash.

USE INSTRUCTIONS

Features a dry chlorine that dissolves immediately
A most effective germicide and algicide
Will not cause cloudiness in water

Will not add scale-forming minerals to the water
Will maintain your pool crystal clear
Flame-resistant

The control of pH is greatly simplified using DRY CHLORINATING CONCENTRATE FR. In fact, you will require from 1/2 to 1/4 the amount of acid usually applied. This product provides a more stable form of chlorine for easier maintenance of an effective chlorine residual in pool water for disinfecting action. It requires less storage space and maintains constant strength regardless of storage time. It is economical to use so that after the pool is stabilized, you will need to apply DRY CHLORINATING CONCENTRATE FR less often.

When starting up a new pool, superchlorinate to satisfy chlorine demand and to establish a chlorine residual of 1.0 ppm to 2.0 ppm available chlorine. To accomplish this, add 2 ozs. per 1,000 gallons of pool water. The next morning add STABILIZER (cyanuric acid) at the rate of 4 ozs. per 1,000 gallons to stabilize the pool.

DRY CHLORINATING CONCENTRATE FR should be added daily or as needed at the rate of 1/8 to 1/4 oz. per 1,000 gallons of pool water, to maintain a chlorine residual at all times of 1.0 ppm to 2.0 ppm as determined by a suitable test kit. The pH should be maintained between 7.2 and 7.6.

A shock treatment should be made every week during hot weather or after heavy rains. Less frequent shock treatments may be made during cool weather. For the shock treatment, add 2 oz. of this product per 1,000 gallons of pool water. Swimmers should not be permitted in the pool after the shock treatment until the chlorine residual has reached the 1.0 ppm to 2.0 ppm range.

Keep in mind that slight flexibility must be maintained in the event of heavy accumulations of dust and dirt caused by storms or super heavy bathing loads which require additional dosages as needed to maintain the chlorine residual between 1.0 ppm and 2.0 ppm.

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DISTRIBUTED BY:



THOMPSON HAYWARD
CHEMICAL COMPANY

PO Box 2133
Kansas City, Kansas 66110



net wt 100*

DRY CHLORINATING CONCENTRATE FR
 for chlorinating pools 8-84

DANGER: KEEP OUT OF REACH OF CHILDREN

FIRST AID: In case of personal contact, remove excess material and flush skin or eyes with plenty of cold water. If in eyes, get immediate medical attention. Clean contaminated clothing before reuse. If swallowed, feed gruel or cooked cereal followed by olive oil or cooking oil. Call a physician immediately.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON BACK PANEL.

ACTIVE INGREDIENT	Sodium Dichloro-s-Triazinetrione Dihydrate	99%
Available Chlorine		55%

EPA Reg. No. 148-1167

EPA Est. No. 39841 MO 1

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DOT Shipping Name:
Sodium Dichloro-s-triazinetriene
UN 2465

NOT REVIEWED
In Accordance with PR Notice 82-2
Based on Draft Labeling Dated



DANGER. Corrosive
and protective
nose and thro
or household

This product is toxic
streams, ponds or

Strong oxidizing agent
only with water D

It is a violation of

Do not contaminate
STORAGE: Store in
protective clothing
appropriate canisters
sewer. Avoid contact
ammonium compounds,
acids and alkalis.
In case of decomposition,
water if necessary.
PESTICIDE DISPOSAL:
CONTAINER DISPOSAL:

- Features
- Will

The control of pH is
the amount of available
effective chlorine re
strength regardless
DRY CHLORINATING
When starting up a
to 2.0 ppm available
STABILIZER (cyanuric acid)
DRY CHLORINATING
pool water to main
should be maintained
A shock treatment
may be made during
Swimmers should
ppm to 2.0 ppm range
Keep in mind that s
storms or super he
between 1.0 ppm a