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THE ENTERONIAGENERAL PROTECTION A CENTON	EPA REGISTRATION NO.	DATE OF ISSUANCE
US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20450	1677-52	19: UCT 1987
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	
NOTICE OF PESTICIDE: REGISTRATION	XY-12	•
(Under the Federal Insecticide, Fungicide,	1	
and Rodenticide Act, us amended)	! .	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Г 7		
Elenzade Division		
Economics Dahoratory, D.c.		
Osborn Building		
St. Paul, MM 55102		
<u>L</u>		
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 labe' 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 Pegistration/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 feaths 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. Finished your response to the Ceneral Pegistration Standard - "Cuidance for the Registration and Reregistration of Pesticide Products Containing Sodium or Calcium Hypechlorite as the Sole Active Ingredient"issued February 1906 and revised April 1986, FPA has reregistered the product listed above in accordance with FIFFA section 3(g). FPA has also reviewed your response to the Sanitizer Label Improvement Program issued July .5, 1996 and has betermined that your product is in compliance with the project. Your ancended label has been stamped approved and a copy is enclosed. You must incorporate any comments noted on your label. This label must be on products released for shipment within 1 year or by the next label printing, whichever occurs first. This label must also appear on all supplemental registrations within 1 year of this Notice of Reregistration or at the next label printing, whichever occurs first. Your product meets the criteria for reregistration under this Standard.		
Failure to comply with this Standard may result in the Agency's issuance		
of a Notice of Intent to Cancel the registration under FIFRA section 6(%)(1).		
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// / Chayle		
Jeff Kempter		
BEST AVAILABLE COPY Product Manager (32)		
Disinfectants Branch		
Fegi	istration Division (TS	~767C)
Engle, us		
Enclosure		
ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE
are the second second second		

EPA Form 8570-6 (Rev. 5-76)

PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

91953: I: Pringle: P-4: KENCO: 10/15/87: 10/27/87: av: vo: ek: rv:

XY-12.

PRODUCT DESCRIPTION

XY12 is a liquid sodium hypochlorite sanitizer.

BENEFITS

- Convenient to use—easily proportioned through sprayers, feeders or chlorinators
- · Rinse clear---leaves no sediment, deposits or films
- · Combats broad spectrum of organisms

ADVANTAGES

- · Versatile, multi-use sanitizer
- Minimal excess alkalinity helps assure fast release of active ingredient

FEATURES

- 2 / Highly concentrated—1 ounce per 6 gallons provides 108
 - Low alkalinity
 - Available in 4/1 gallon case, 5 gallon deltangular, 55 gallon drum and bulk delivery

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 1 9 1987

Under the Federal Insecticide, Fungic Fe, and Rodenticide Act as amended, for the pesticide registered under EPA Res. No.



KY-12

Active ingredients:	
Sodium hypochlorite	8.4%
Inert ingredients	91.6%

PROPERTIES:

Form	liquid, clear
Colorg	reenish yellow
Odor	
Foam	e non
Specific gravity @	75°F1.16
Pounds per gallon	9.7
EPA Reg. No. 1677-	

pH 1.00% solution-10.5 pH .25% solution—8.3 Excess alkalinity—0.7% as sodium hydroxide Available chlorine-8.0% by

KLENZADE XY12 TABLE OF PROPORTIONS AVAILABLE CHLORING:

1000 ppm—5 oz. In 3 gal. water A00 ppm—4 oz. in 3 gal. water 600 ppm—3 oz. in 3 gal water

200 ppm—1 oz. in 3 gal water 100 ppm—1 oz. in 6 gal water 0.5ppm—1 oz. in 1200 gal, water

DIRECTIONS FOR USE:

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

MOTE: This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chlorine.

FOR FOOD PROCESSING AND MILK EQUIPMENT

FOR FOOD PROCESSING AND MICH ENGINEER.
Clean all surfaces thoroughly with proper detergent and rinse with

200 water. Just prior to use, sanilize by rinsing with 100 ppm available chlorine for all non-porous surfaces; for porous surfaces use 600 ppm available chlorine. Use immersion, flooding or spraying techniques as appropriate to the equipment. Wet surfaces thoroughly. All surfaces should be exposed to the sanitizing solution for a period of not less than 2 minutes. Do not rinse equipment with water after treatment. Do not soak overnight,

BACTERIOPHAGE CONTROL

XY-12 will significantly reduce the incidence of Streptococcus cremoris and S. diacetilactis bacteriophage in cheese manufacturing establishments by fogging at concentrations of 600 ppm available chlorine. Fogging should be used as a supplement to acceptable manual cleaning and sanitizing of room surfaces as described above

DIRECTIONS FOR FOGGING:

Prior to fogging, food products and packaging materials must be removed from the room or carefully protected. Fog desired areas using one quart per 100 cu. it. of room area with an XY-12 solution containing 600 ppm of available chlorine. Vacate the area of all personnel for a minimum of 2 hours after fogging. All food contact surfaces must then be thoroughly rinsed with potable water or an XY-12 solution at 200 ppm of available chlorine. Allow surfaces to drain thoroughly before operations are resumed.

NOTE: FOR MECHANICAL OPERATIONS prepared use solutions may not be re-used for sanitizing but may be re-used for other purposes such as cleaning.

FOR MANUAL OPERATIONS fresh sanitizing solutions should be prepared as soon as they become diluted or solled.

FOOD EGG SANITIZATION-Thoroughly clean all eggs. Thoroughly mix 2 oz. of XY-12 with 10 gallons of warm water to produce a 200 ppm available chlorine solution. The sanitizer temperature should not exceed 130°F. Spray the warm sanitizer so that the eggs are thoroughly wetted. Allow the eggs to thoroughly dry before casing or breaking. Do not apply a potable water rinse. The solution should not be re-used to sanitize eggs.

HAND SANITIZING-After hands have been washed and rinsed, dip into a 1/2 oz. per 6 gals. solution of XY-12 (50 ppm chlorine). LAUNDRY BLEACH-Add 2 oz. of XY-12 per 10 gals, of wash water (125 ppm chlorine).

FRUIT & VEGETABLE WASHING-Thoroughly clean all fruits and vegetables in a wash tank. Thoroughly mix 5 oz. of XY-12 in 200 gallons of water to make a sanitizing solution of 25 ppm available chlorine. After draining the tank, submerge fruit or vegetables for 2 minutes in a second wash tank containing the recirculating sanitizing solution. Spray rinse vegetables with the sanitizing solution prior to packaging. Rinse fruit with potable water only prior to packaging

WATER CHLORINATION

For farm, private or small municipal water chlorination, use 0.1 to 0.5 som of available chlorine. Use chlorine test set for the determination of proper concentrations and amount of residual chlorine.

LOCAL, STATE REGULATIONS

Where regulations are in effect, consult authorities for additional Information.

STORAGE AND DISPOSAL:

DO NOT MIX WITH ANYTHING BUT WATER

Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse container but place in trash collection. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, may cause severe skin and eye Irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Do not discharge into takes, streams, ponds or public waterways unless in accordance with a NPDES permit. For guidance, contact the regional office of the U.S. Environmental Protection Agency.

PHYSICAL OR CHEMICAL HAZARDS:

PHYSICAL OR CHEMICAL TRACARTUS: STRONG OXIDIZING AGENT: Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, atc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas which is irritating to eyes, lungs and mucous membranes.

FIRST AID:

IF CONTACT WITH EYES OCCURS, flush with water for at least 15 minutes. Get prompt medical attention.

IF CONTACT WITH SKIN OCCURS, wash with plenty of soap and water.

IF SWALLOWED, drink large quantities of milk or gelatin solution, if these are not available, drink large quantities of water. DO NOT givevinegar or other acids. DO NOT induce vomiting. Getsscoragt medical

For emergency medical information, call toll-free 1-800-328-0026.

AUTHORIZATION:

XY12 is authorized by USDA for use in federally inspected meat and poultry plants as a sanilizing solution for all surfaces and does not require a potable water rinse provided that the concentration does not exceed 200 ppm available chlorine. XY12 is also authorized as a shell-egg sanitizing compound (no potable water rinse required). In addition, XY12 is authorized for use as a potable water freatment administration and the state of the sanitation and the sanitation of the sanitation and the sanitatio compound. Also authorized for use as a hand sanitizer anti as a laundry bleach. (t t

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Never use more when less will do. That's the KLENZADE, solution.

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LIQUID SANITIZER

EPA REG. NO. 1677-52 EPA EST. XXX

ACTIVE INGREDIENTS: SODIUM HYPOCHLORITE 8.4% INERT INGREDIENTS 91.6%

KEEP OUT OF REACH OF CHILDREN

DANGER

NET CONTENTS 1 U.S. GALLON (3.78 !)

ST AID:

IF CONTACT WITH EYES OCCURS, flush with water for at least 15 minutes. Get prompt medical attention.

IF CONTACT WITH SKIN OCCURS, wash with plenty of soap and water.

IF SWALLOWED, drink large quantities of milk or gelatin solution, if these are not available, drink large quantities of water, DO NOT give vinegar or other acids. DO NOT induce vomiting. Get prompt medical attention. For emergency medical information, call toll-free 1-800-328-0026.

TABLEWARE SANITIZER AND DESTAINER FOR MECHANICAL SPRAY WAREWASHING MACHINES

AVAILABLE CHLORINE TABLE OF PROPORTIONS 50 ppm -1 oz. per 12 gals. water

100 ppm-2 oz. per 12 gals water 200 ppm-4 oz. per 12 gals water

FORMULATED FOR USE WITH THE ECONOMICS LABORATORY AUTOMATIC DISPENSING SYSTEMS.

FOR SANITIZING TABLEWARE In lowtemperature warewashing machines, inject XY12 into the final finse water at a concentration of 100 ppm available chlorine Do not exceed 200 ppm. Air dry.

DO NOT USE ON SILVER AND SILVER PLATE.

To insure that available chloring concenio insure that available chlorine concentration does not lab below 50 ppm, periodicarly test the rinse splution with a suitable test kit and adjust the dispensing rate accerdingly. "Consolt "your "local Economics" Laboratory Specialist for technical assistance and further informations. tion on sanitizing tableware in warewashing machines.

DO NOT MIX WITH ARTTHING BUT

WATER CHLORINATION For farm, private or small municipal water chlorination, use 0.1 to 0.5 ppm of availadetermination of proper concentrations and amount of residual chloring

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LENZADE XY-12 TABLE OF PROPORTIONS AVAILABLE CHLORINE:

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600 ppm—3 oz. in 3 gal. water 200 ppm—1 oz. in 3 gal. water 100 ppm—1 oz. in 6 gal. water 0.5 ppm—1 oz. in 1200 gal. water

STORAGE AND DISPOSAL:

Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse container but place in trash collection. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

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OCT 1 9 1987

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Prior to logging, food products and packaging materials must be carefully projected. Fog desired areas using one quart per 100 ci XY-12 solution containing 600 ppm of available chlorine. Vacate the a minimum of 2 hours after fogging. All food contact surfaces mus with potable water or an XY-12 solution at 200 ppm of available chlor thoroughly before operations are resumed.

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See technical bulletin for additional uses.