

75 3597-4 17-88

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 33006-4	DATE OF ISSUANCE 10/18/88
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Sodium Hypochlorite Solution	

NOTICE OF PESTICIDE: REGISTRATION REREGISTRATION
 (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

TORCO Chemical Corporation
 7013 Krick Road
 Bedford, OH 44146

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.

Based on your response to the General Registration Standard - "Guidance for the Registration and Reregistration of Pesticide Products Containing Sodium or Calcium Hypochlorite as the Sole Active Ingredient" - issued February 1986 and revised April 1986, EPA has reregistered the product listed above in accordance with FIFRA section 3(d). EPA has also reviewed your response to the Sanitizer Label Improvement Program issued July 25, 1986 and has determined that your product is in compliance with the program.

Your amended 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(d)(1).

BEST AVAILABLE COPY

J. J. Kenney
 Project Manager (32)
 Microbial Program Branch
 Registration Division (75-767)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL _____ DATE _____

2/5

2

FRONT PANEL
SODIUM HYPOCHLORITE 15% by VOLUME

"FOR SWIMMING POOL CHLORINATION AND SANITIZING"

ACTIVE INGREDIENT:

Sodium Hypochlorite	12.5%
INERT INGREDIENTS:	87.5%

KEEP OUT OF REACH OF CHILDREN
DANGER

STATEMENT OF PRACTICAL TREATMENT (FIRST AID)

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

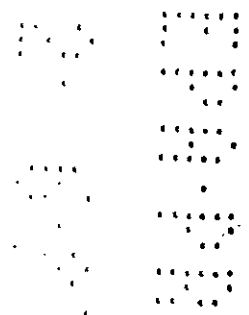
IF CONTACT WITH SKIN OCCURS, wash with plenty of soap and water.

IF SWALLOWED, drink large quantities of milk or gelatin solution, if these are not available, drink large quantities of water. DO NOT GIVE vinegar or other acids. DO NOT induce vomiting. Get prompt medical attention.

(See additional precautions on side panel.)
ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 18 1983

When this pesticide
is used, the pesticide
should be the pesticide
labeled under EPA Reg. No.



3/5

3

SIDE LEFT PANEL

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 lakes, 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

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

MANUFACTURED BY
HUKILL CHEMICAL CORPORATION
7013 KRICK ROAD, BEDFORD, OH
44146

EPA REG. NO.: 33006-4
HYPOCHLORITE SOLUTION UN1791

EPA EST. NO.: 33006-OH-01

[Dotted pattern]

4/5

4

SIDE RIGHT PANEL

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

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

SWIMMING POOL WATER DISINFECTION

For a new pool or spring start-up, superchlorinate with 52 to 104 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Adjust and maintain pool water pH to between 7.2 to 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm.

To maintain the pool, add manually or by a feeder device 11 oz. of this product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 to 1.0 ppm by weight. Stabilized pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. Test the pH, available chlorine residual and alkalinity of the water frequency with appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers.

Every seven (7) days, or as necessary, superchlorinate the pool with 52 to 104 oz of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not reenter pool until the chlorine residual is between 1.0 to 3.0 ppm.

At the end of the swimming pool season or when water is to be drained from the pool, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge.

WINTERIZING POOLS - While water is still clear and clean, apply 3 oz. of product per 1000 gallons, while filter is running, to obtain a 3 ppm available chlorine residual, as determined by a suitable test kit. Cover pool, prepare heater, filter and heater components for winter by following manufacturers' instructions.

DISINFECTION OF POTABLE WATER AT WATER TREATMENT FACILITIES

Mix a ratio of 1 oz of this product to 100 gallons of water. Begin feeding this solution with a hypochlorinator until a free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is attained throughout the distribution system. Check water frequency with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Interim Primary Drinking Water

3/5
Regulations. Contact your local Health Department for further details.

SANITIZING FOOD PROCESSING OR DAIRY EQUIPMENT

Before application of this sodium hypochlorite solution, thoroughly wash all surfaces with a compatible cleaner, followed by a potable water rinse to remove food particles. Prepare a 200 ppm sanitizing solution by thoroughly mixing 1 oz. of this product with 5 gallons of water. Rinse all surfaces thoroughly with this sanitizing solution, maintaining a contact time of at least two (2) minutes. Drain the used solution from the surface and air dry. Do not rinse equipment with water after treatment and do not soak the equipment overnight. For automated operations, the drained solution must not be reused for sanitizing but may be used for general cleaning. For manual operations, fresh sanitizing solution must be prepared daily, or more often if the solution becomes diluted or soiled.

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. Store in upright position.