



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

NOTE: The stamped, accepted labels for EPA Reg. No. 3696-72 (attached to this EPA letter of acceptance) redesignate essential oils into the inert ingredient statement on the label. This label, which redesignates essential oils from the active ingredient statement to the inert ingredient statement was approved in connection with EPA Notice of July 25, 1986 (Antimicrobial Products Used as Food Contact Surface Sanitizers).

The Texize Division of
The Dow Chemical Company
P.O. Box 368
Greenville, SC 29602

29 MAR 1988

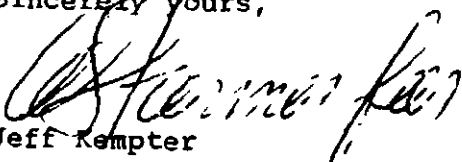
Attention: John G. Wood, Jr.

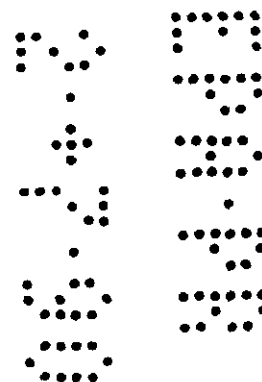
Gentlemen:

Subject: Texize Lemon Power Disinfectant Germicide
EPA Registration No. 3696-72
Your Amendment Dated October 29, 1986

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Should you have any questions, please call Arvella Farmer at (703) 557-6939.

Sincerely yours,


Jeff Kempter
Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)



Enclosure

5-23-70 P11 12
EPA 70

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification.

TOXAPHENE 8 EC

"Sale, distribution or use is permitted only after a showing of emergency conditions to EPA by a Federal or State agency and issuance by EPA of a finding that an emergency condition exists, and only as permitted by that EPA finding."

ACTIVE INGREDIENTS:

Toxaphene (chlorinated camphene) 71.0%
(chlorine content 67-69%)

INERT INGREDIENTS: 29.0%

TOTAL 100.0%

(This Product Contains 8 Lbs. Toxaphene Per Gallon)

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

**THIS PRODUCT IS POISONOUS BY SKIN CONTACT,
INHALATION, OR SWALLOWING.**

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

STATEMENT OF PRACTICAL TREATMENT

REMOVE PATIENT FROM EXPOSURE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF SWALLOWED: Do not induce vomiting. See "Treatment By Physician" Statement. Call a physician in all cases of suspected poisoning.

IF INHALED: Remove victim to fresh air. Apply respiration if indicated.

IF IN EYES: Wash eyes for at least 15 minutes while holding eyelids open. Call a physician.

IF ON SKIN: Remove contaminated clothing and immediately wash the skin thoroughly with soap and water.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS INSIDE

Not Reviewed. Registrant claims to be in accordance with Reregistration of Pesticide Product Guidance for Phase 2 Response, Page 2.12, Active to Inert Change in Status.

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EPA Reg. No. 51036-79

EPA Est. No. 51036-GA-1

Manufactured By
MICRO FLO COMPANY
P.O. BOX 5948
LAKELAND, FLORIDA 33807

5050

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PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals
WARNING

This product is poisonous by skin contact, inhalation, or swallowing. It may be fatal if swallowed. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. During application, keep all unprotected persons away from areas being treated or where there may be drift. This product is toxic to bees and should not be applied when bees are actively visiting the area.

NOTE: Protective clothing and respirators are required for all applicators and other personnel involved in mixing, loading, transferring or otherwise handling this pesticide. Protective clothes must consist of hats, impermeable gloves, rubber or synthetic rubber boots or boot covers, long sleeved shirts and long pants. Full-face respirators are recommended; half-face respirators are required. In lieu of compliance with the protective measures required for applicators, users may use closed systems methods of mixing, loading and handling. However, it is recommended that mixers and loaders wear water proof gloves. Aerial applicators in positive pressure cockpits and other applicators in comparable ground equipment with appropriate filters at all air intakes need not comply with these protective clothing requirements.

Do not use Toxaphene 8 EC on dairy animals, in dairy barns, or on feed or forage to be fed to dairy animals. Do not apply to livestock within 28 days of slaughter. Avoid treating animals during cold, stormy weather. Do not use on dogs, cats, or other household pets or on poultry in poultry houses.

Do not spray or dip calves under 3 months of age. If it is necessary to treat calves under the age of 6 months, spraying is recommended. In quarantine programs when animals of all ages must be dipped under supervision of Federal or State Personnel for scabies control, special measures should be taken to minimize the swallowing of dip wash by young animals.

FIRST-AID TREATMENT

INTERNAL: If this product is swallowed, do not induce vomiting. See "Treatment By Physician." Never give anything by mouth to an unconscious person. CALL A PHYSICIAN IN ALL CASES OF SUSPECTED POISONING.

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EXTERNAL: Remove contaminated clothing and wash skin thoroughly with soap and water. If in eyes, flush with clean water for at least 15 minutes. Call a physician.

TREATMENT BY PHYSICIAN: If swallowed, use gastric lavage. Avoid aspiration. Toxaphene produces central nervous system excitation that responds to barbituric acid derivatives. Prevent or control convulsions with barbiturates, preferably administered intravenously. If the barbiturate can be given before convulsions start, sodium pentobarbital is the drug of choice. Since toxaphene has a fairly long duration of action, a long-acting barbiturate such as phenobarbital may be used after initial control of convulsions. Refer to "Clinical Handbook on Economic Poisons," which was prepared by the U.S. Department of Health, Education, and Welfare, Public Health Service, Communicable Disease Center, Atlanta, Ga.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Use of this product may be fatal to birds and other wildlife in treated areas. Do not spray over lakes, streams, ponds, tidal marshes or estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Overspray of this product into water at application rates recommended on this label may be fatal to shrimp and crab; do not apply where these are important resources. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. In case of spillage, use absorbent clay, hydrated lime, or other solids to soak up any liquid. See disposal statements for proper disposal of wastes. Wash area with a strong detergent and hot water.

DIRECTIONS FOR USE

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

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store in a cool, dry place away from heat or open flame.
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse is a violation of Federal law. Pesticide, spray mixture, or rinse

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water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.
CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

BANANAS (FOR USE ONLY IN PUERTO RICO AND THE VIRGIN ISLANDS)

RESTRICTIONS: Repeat applications as necessary but do not apply less than one day before harvest. Do not graze treated area with dairy animals or animals being finished for slaughter.

To control leafeating caterpillars and other various weevils, apply 1 1/2 pints per acre suitably diluted with water or summer oil if applied by air. For aerial applications, flagging must be by fully automated mechanical means or by humans working in totally enclosed vehicles.

PINEAPPLES (FOR USE ONLY IN PUERTO RICO AND THE VIRGIN ISLANDS)

RESTRICTIONS: Apply when first whorl of flowers is open and repeat 7 to 10 days later. Do not feed waste from treated pineapples to dairy or meat animals. **NOTE:** For aerial applications, flagging must be by fully automated mechanical means or by humans working in totally enclosed vehicles.

To control Pineapple gummosis moths and mealy bugs, apply 2 1/4 pints per acre suitable diluted with water.

DIRECTIONS FOR USE ON LIVESTOCK

BEEF CATTLE: Scabies (Psoroptic, Chorioptic, Sarcoptic): Mix Toxaphene 8EC at the rate of 3 quarts to 100 gallons of water. Thorough wetting is essential for best results. Apply by dipping exposed or infected animals in toxaphene vat solutions or by using a spray-dip machine. Animals in infested herds are dipped twice. Animals in exposed herds are dipped at least once. The interval between the first and second dipping is 10 to 14 days.

SHEEP: Sheep Scab: Accurately mix Toxaphene 8 EC at the rate of 1 gallon to 150 gallons of water. Apply by dipping exposed or infected animals in toxaphene vat solutions or by using a spray dip machine. Immerse sheep for not less than 1/2 minute, dunking head at least twice. One dipping is usually sufficient for treating sheep scab. A second dipping may be given in two weeks if needed.

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Mixing Toxaphene 8EC with water: The dip concentrate should be premixed with an amount of water equal to at least three times the amount of concentrate. Stir or agitate the resulting mixture thoroughly before each use.

Replenishment (Dipping Vats): Add 5 pints of Toxaphene 8EC to 100 gallons of water. The dip concentrate should be premixed with an amount of water equal to at least three times the amount of concentrate. Mix thoroughly. Samples should be submitted to the National Veterinary Services Laboratories for analysis.

Mixing of product should be conducted in a manner to maintain the percentage of toxaphene in the mixture at 0.5% for sheep and 0.6% for beef cattle. All mixing and cleaning should be performed in a manner to protect the applicator. Protective clothing and respirators should be worn.

DISPOSAL OF USED VAT SOLUTIONS

Used cattle and sheep dip solutions that are intended for disposal must be treated in the manner described below. Treatment in any other manner may result in a violation of Federal and/or State law.

NOTE: Spent cattle dips MAY NOT BE:

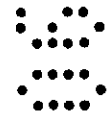
--- Applied to range land or any other area where cattle may graze within one year of application unless the dip is plowed or disked into the soil.

--- Added to other chemical wastes and disposed of according to the following provisions.

--- Applied to any given area at a rate that exceeds 3 pounds actual toxaphene per acre every six months. This quantity is equivalent to 60 gallons of 0.6% solution.

The spent cattle dip solution must be applied only to land areas set aside and dedicated to disposal of cattle dip solutions or to crop lands where corn, small grains, cotton, sorghum and/or soybeans are grown. If these crop areas are not available, the dips may be disposed of on rangeland provided livestock do not graze the area at any time during the period of time the material is being applied and for a period of one year following the last application unless the dip is plowed or disked into the soil immediately after application. The dip solutions may be applied directly or mixed with manure and then applied at a consistent rate so that the material is spread evenly over the designated disposal area. In either case, the 3 pounds of active ingredient toxaphene per acre rate over a 6 month period must not be exceeded.

MIXING RATES OF TOXAPHENE AND MANURE TO



CONFORM TO NORMAL MANURE APPLICATION RATES

Toxaphene Application Rate Lbs/Acre	Manure Application Rate Tons/Acre	Toxaphene/Manure Ratio Gallons/Acre
3	2.5	24
3	5	12
3	10	6
3	20	3
3	30	2

Plowing or disking the material into the ground is desirable. Plowing would minimize the possibility of run-off or wind carrying soil particles that must contain toxaphene into creeks or ponds.

Since toxaphene is extremely toxic to fish, major danger in land spreading the spent toxaphene dips is surface run-off water carrying toxaphene bearing particulate matter into surface water. Therefore, it is necessary that the following criteria for selection of the disposal site be observed.

1. Flow of water onto the site should be controlled. If this is a potential problem, a system should be designed, constructed and operated that is capable of preventing flow onto the disposal area during peak discharge from at least a 25-year storm.
2. The site should be selected so that surface run-off will be held to a minimum. Soil loss to surface erosion should not exceed 5 tons per year estimated by using the "Universal Soil Loss Equation" (USLE) or should not exceed the soil loss tolerance factor ("T" factor) which ever is less. Technical assistance in making this determination may be obtained from the USDA/SCS. In addition, the soil textures above the water table should be finer than loamy sand.
3. The owner or operator should design, construct, operate, and maintain a containment system that will prevent or minimize loss of surface materials from the site. (Unless the site is selected to meet criteria for minimum run-off or soil erosion.) The system should be maintained during the period that the site is used for disposal of toxaphene dips and for a period of at least 1 year following the last application.
4. If the disposal area is subject to wind dispersal of particulate matter, sound land management procedures should be instituted to control such erosion.

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