

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:
72567-4

Date of Issuance:
JUN 19 2000

Term of Issuance: Conditional

Name of Pesticide Product:
Sumo 10-10 ULV

NOTICE OF PESTICIDE:

x Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

H.R. McLane, authorized agent for
Plexus Services, Inc.
5703 Red Bug Road
Winter Springs, FL 32708

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 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. Make the following label changes:
a. Revise the EPA Registration Number to read, "EPA Reg. No.72567-4."
b. Delete the reference to "spill" from the Physical and Chemical Hazards statement.
c. Correct the reference to Sumo 2-2 ULV to read Sumo 10-10 ULV.

Signature of Approving Official:

Ann Schold for
Marion J. Johnson, Jr.
Product Manager 3

Date:

JUN 19 2000

Insecticide Branch

CONCURRENCES

Table with columns for SYMBOL, SURNAME, DATE, and registration division (7505C).

- d. Directions for Aerial Application must be revised to read as follows:
Aerial Application
 Prohibition on aerial use: Not for aerial application in Florida unless specifically authorized by the Bureau of Entomology, Florida Department of Agriculture and Consumer Services.

Dosage Rate Lbs. A.I./acre	Flow Rates in fluid oz./acre Sumo 10-10 ULV
0.0036	0.62
0.0024	0.42
0.0012	0.21

Aerial application should be done by suitable aerial ULV equipment capable of producing droplets with an MMD of 50 microns or less with no more than 2.5% exceeding 100 microns. Flow rate and swath width should be set so as to achieve 0.21 to 0.62 fluid ounces of Sumo 10-10 ULV per acre. Sumo 10-10 ULV may also be diluted with a suitable solvent such as mineral oil and applied by aerial ULV equipment so long as 0.62 fluid ounces per acre of Sumo 10-10ULV is not exceeded. Aerial application should be made when wind is less than 10 mph. For application by public health officials and personnel of mosquito abatement districts and other mosquito control programs.

- e. You must modify the Notice of Warranty so that you do not disclaim use in accordance with label directions.
 - f. You must delete or cite efficacy data to support your claim that this product is effective against all species of midges and black flies. This claim is not included on the label to which you claim similarity.
3. Submit two copies of the revised final printed label for the record.
 4. In accordance with Jim Jones's letter to you dated May 25, 2000, for a period of one year after you begin formulating this product, you must submit to EPA copies of invoices or other documentation to demonstrate that you are formulating your product in accordance with the confidential statement of formula on file with EPA.

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.



SAMPLE LABEL

SUMO[®] 10-10 ULV

Contains an Oil Soluble, Synergized Synthetic Pyrethroid (including organophosphate resistant species) for the Control of Adult Mosquitoes, and all species of Midges and Black flies in Residential and Recreational Areas.

DIRECTIONS FOR USE

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

USE AREAS: For use in mosquito adulticiding programs involving outdoor residential and recreational areas where adult mosquitoes are present in annoying numbers in vegetation surrounding parks, woodlands, swamps, marshes, overgrown areas and golf courses.

IN CALIFORNIA: This product is to be applied by County Health Department, State Department of Health Services, Mosquito and Vector Control or Mosquito Abatement District personnel only.

For best results, apply when mosquitoes are most active and weather conditions are conducive to keeping the fog close to the ground; therefore with cool temperatures and wind speed not greater than 10 mph.

APPLICATION RATES AND DILUTION DIRECTIONS

GROUND ULV APPLICATION: Consult the following table for examples of various dosage rates using a swath width of 300 feet for acreage calculations. This product should be used in cold aerosol generators capable of producing a FOG in which the majority of droplets are in the 5 to 25 micron range.

APPLICATION RATES CHART

Dosage Rate lbs. a.i./Acre	Flow Rates in fluid oz. / minute at truck speed.			
	5MPH	10MPH	15MPH	20MPH
0.0036 #/A	1.9 oz.	3.8 oz.	5.7 oz.	7.6 oz.
0.0024 #/A	1.3 oz.	2.5 oz.	3.8 oz.	5.1 oz.
0.0012 #/A	0.6 oz.	1.3 oz.	1.9 oz.	2.5 oz.

SUMO 10-10 ULV may be applied undiluted with a non-thermal ULV portable backpack spray unit capable of delivering particles in the 5 to 25 micron range. Apply at a walking speed of 2 mph, making sure that the same amount of A.I. is applied per acre.

SUMO 10-10 ULV may be applied with suitable thermal fogging equipment. Do not exceed the maximum rates as listed above. May be applied at speeds of 5 to 20 mph.

SUMO 2-2 ULV can not be diluted in water. Dilute only with light mineral oil if dilution is preferred; Do not exceed 0.0036 lb. active ingredient per acre.

ACTIVE INGREDIENTS:

*Phenothrin - - - - - 10.00%

**Piperonyl Butoxide - - - - - 10.00%

OTHER INGREDIENTS:*** - - - - - 80.00%

Total 100.00%

**Equivalent to 8.0% (butylcarbityl) (6-propylpiperonyl) ether and 2.0% related compounds.

***Contains a petroleum distillate

*Contains 0.75 lbs. Technical Sumithirin® per Gal.

and **0.75 lbs. Tech. Piperonyl Butoxide per Gal. Sumithirin® is a Reg. T.M. of Sumitomo Chemical Company, Ltd.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail).

FIRST AID!

IF ON SKIN OR CLOTHING: Remove contaminated clothing and wash affected area with soap and warm water. Get medical attention if irritation persists. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol. **IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through the skin. Avoid contact with eyes, skin, or clothing. In case of contact flush with plenty of water. Wash thoroughly with soap and water after handling. Obtain medical attention if irritation persists. Do not induce vomiting. Avoid contamination with food and feedstuffs.

ENVIRONMENTAL HAZARDS

For terrestrial uses do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters. Do not apply when wind speeds exceed 10 mph.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

EPA Reg. No. 72567-__ E.P.A. EST. No. 1021-MN-1
Net Contents (2.5; 5; 30) Gallon

AERIAL APPLICATION

The use of specially designed aircraft to apply Ultra Low Volumes" of SUMO 10-10 ULV with equipment capable of producing a nonthermal aerosol spray with droplets ranging in size from 5 to 30 microns and a mass median diameter (MMD) of 10 to 20 microns and which will apply this product undiluted at a flow rate per minute to apply a. i. at a rate of 0.0012 lb. up to .0036 lb. per acre, may be considered necessary when conducted at the discretion of Public Health Officials, Mosquito Abatement Districts, and other trained personnel engaged in outdoor mosquito and biting fly control programs when these insects threaten to become a public health hazard. Aerial application does not apply to New York.

STORAGE AND DISPOSAL

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

STORAGE: Store product in its original labeled container in a cool, dry, locked place designated for such insecticides and out of reach of children. Avoid exposure to extreme temperatures. In case of spillage, soak up with absorbent material such as sawdust, or fullers earth; sweep up and place in a labeled container and dispose of as follows.

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

CONTAINER DISPOSAL: (Metal) Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other approved State or local procedures. (Plastic) Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Notice of Warranty

Plexus Services, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Plexus Services, Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Plexus Services, Inc. and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL Plexus Services, Inc. OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT. sumo1010rev.p65/01-05-00)

PLEXUS SERVICES, INC. 5703 Red Bug Rd. Winter Springs, FL 32708 U.S.A.

4/6

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

JUN 19 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
72567-4