

 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p style="text-align: center;">NOTICE OF PESTICIDE: <u> X </u> Registration <u> </u> Reregistration</p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number:	Date of Issuance:
	53883-85	JAN 15 2003
	Term of Issuance: Conditional	
Name of Pesticide Product:		CSI 4-4 ULV
Name and Address of Registrant (include ZIP Code): Control Solutions, Inc. 5903 Genoa-Red Bluff Pasadena, Texas 77507-1041		
<p>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.</p> <p>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.</p> <p>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.</p> <p style="text-align: center;">This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration/reregistration 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. Submit two (2) copies of your final printed labeling before you release the product for shipment. 		
Signature of Approving Official:		Date:

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

Enclosure

CSI 4-4 ULV

For Application only by Public Health Officials and Trained Personnel of Mosquito Abatement Districts and Other Mosquito Control Personnel. An All Temperature, Quick knockdown, Low Odor, Non-Corrosive, Synergized, Synthetic Pyrethroid for the Control of Adult Mosquitoes, in Residential, Recreational, and Non-crop waste Areas. Also for Use Against Biting and Non-Biting Midges and Black flies.

EPA Reg. No. 53883-85 EPA Est. No. 53883-TX-1

ACTIVE INGREDIENTS:

Permethrin CAS [52645-53-1] - - - - -	4.0%
Piperonyl Butoxide CAS [51-03-6] - - - - -	4.0%
OTHER INGREDIENTS: - - - - -	92.0%
Total	100.0%

*Contains a Petroleum Distillate Solvent.

Contains 0.2821 lb. A.I. Permethrin and 0.2821 lb. A.I. Piperonyl Butoxide per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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

FIRST AID

IF SWALLOWED - Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES - Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER: You may also call 1-800-858-7378 for emergency medical treatment advice.

NOTE TO PHYSICIAN: *Contains petroleum distillate - vomiting may cause aspiration hazard.
See below for additional Precautionary Statements.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash clothing before reuse. ✓

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, 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. Drift and runoff from treated sites may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

Bee Warning: This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift on blooming crops or weeds while bees are actively visiting the treatment areas.

PHYSICAL AND CHEMICAL HAZARDS

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

READ ENTIRE LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. While using or handling this product wear long sleeved shirt and long pants, socks and shoes.

ACCEPTED with COMMENTS in EPA Letter Dated:

JAN 15 2003

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

Net Contents _____ Gallons 53883-85

CONTROL SOLUTIONS, INC.
5903 Genosa Red Bluff - Pasadena, TX 77505 U.S.A.

CSI 4-4 ULV

HOW TO APPLY

For proper ground application mount the fog applicator so that the nozzle is at least 4 1/2 feet above ground level and directed out the back of the vehicle. May be applied at speeds of 5 m.p.h. up to 20 m.p.h. Failure to follow these label directions may result in reduced effectiveness. For ****Aerial Application** refer to the ****Aerial Application** section on this label. CSI 4-4 ULV may be used as is, or diluted with a suitable solvent such as a 60 to 100 Second viscosity mineral oil and applied at a rate not to exceed 3.1819 fl. oz. of CSI 4-4 ULV, per acre. Both aerial and ground applications should be made when the wind is less than 10 M.P.H.

For exact rates, see the "UNDILUTED" or the "FOR DILUTION" Rates charts on this label.

CSI 4-4 ULV is recommended for application as an Ultra Low Volume (U.L.V.) Thermal or Non-thermal aerosol (cold fog) to control adult mosquitoes, and other insects as listed on this label, in residential and recreational areas where these insect pests become a problem; such as, but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas, municipalities, gardens, playgrounds, and non-crop waste areas. Do not apply this product within 100 feet (30 Meters) of lakes and streams. For Best Results; treat when mosquitoes or insects are most active and weather conditions are conducive to keeping the fog close to the ground. e.g. cool temperatures and wind speeds are not greater than 10 m.p.h. Applications during the cool hours of night or early morning are usually preferable. Repeat treatment when recommended by Public Health Officials or Mosquito Abatement Districts.

NON-THERMAL AEROSOL (COLD FOG)

To control Mosquitoes, Midges and Blackflies apply CSI 4-4 ULV using any standard U.L.V. ground applicator capable of producing a non-thermal aerosol fog with droplets ranging in size from 5 to 30 microns in diameter and a mass median diameter (MMD) of 15 to 20 microns, (droplets should not exceed 50 microns and less than 5% of drops should be below 5 microns), with an application swath width of 300 feet. Silicon slides should be required for calibration. Droplet size of application may be determined using the following procedure. Droplet size should be sampled using Teflon coated glass slides: An adequate amount of air should be sampled by using, for example, rotating rod samplers. Other sampling techniques, such as AMES machine, may be used if authorized by local authorities. Slides are examined microscopically and the diameter of droplets measured in microns. Slides should be scanned until 100 to 200 droplets have been assessed. A spread factor of 0.61 should be used to correct droplet diameters. The largest droplet should not exceed 50 microns and less than 5% of the droplets should be below 5 microns. A 90% value of the droplets should be in the range of 5 to 30 microns in size.

When applying this product undiluted, apply at a flow rate of 2.7576 to 19.0914 ounces per minute at an average vehicle speed of 10 M.P.H. These rates are equivalent to 0.001 to 0.007 pound of permethrin a.i. and 0.001 to 0.007 pound of piperonyl butoxide a.i. per acre. If a different vehicle speed is used, adjust the rate accordingly. Vary flow rates accordingly to vegetation density and mosquito population. Use higher flow rates in heavy vegetation or when insect populations are high. An accurate flow rate control system must be used to ensure proper flow rate. CSI 4-4 ULV may also be applied by diluting, 1 part to 1 part of a 60 to 100 second mineral oil or another suitable solvent, applied so as not to exceed the maximum a.i. rates per acre as shown in the rates charts. If an alternate dilution rate is required, adjust the flow rate accordingly, provided the droplet size and spectrum remain within label specifications. Do not exceed a flow rate of 20 oz. per minute unless recommended and required by equipment manufacturers and / or Public Health Officials for vehicle speeds of 10 15 or 20 m.p.h. are necessary in emergency conditions and when the fogging equipment is capable of such higher rates of output per minute.

USE AS AN INSECT BARRIER TREATMENT

For use in Non-Thermal ULV, motorized, portable, backpack, fog type mist blower equipment apply CSI 4-4 ULV with equipment adjusted to deliver ULV particles of 50 to 100 mass median diameter. CSI 4-4 ULV may be applied undiluted or diluted (see Application Rates Charts on this label). If diluted use a 30 to 100 second viscosity mineral oil, or another, (if recommended by Public Health Officials), suitable non-phytotoxic diluent. Use 0.001 to .007 pound Permethrin A.I. per acre at a 50 ft. (15.2 m) swath width, while walking at a speed of 2 m.p.h. (3.2 k.p.h.). Whether applied undiluted or diluted, or at a different speed, make sure that the same amount, (0.001 to 0.007 lb.) of Permethrin a.i. and Piperonyl Butoxide a.i. is applied per acre

CHART NO. 1 - FOR USE OF CSI 4-4 ULV: UNDILUTED

CONDITIONS AND RATES TO USE CSI 4-4 ULV UNDILUTED for MOSQUITO CONTROL					
Permethrin / PBO lbs. A.I. / Acre	Application Rates Fluid Ounces per Minute				Fluid Ounces and (milliliters) per acre
	5 mph	10 mph	15 mph	20 mph	
0.007 / 0.007	9.5457	19.0914	28.6371	38.1828	3.1819 (94.10 ml)
0.0035 / 0.0035	4.7727	9.5454	14.3181	9.0908	1.5909 (47.49 ml)
0.001 / 0.001	1.3638	2.7276	4.0914	5.4552	0.4546 (13.44ml)

CHART NO. 2 - DILUTE (I) PART 4-4 ULV IN (I) PART MINERAL OIL

AMOUNTS TO USE AFTER DILUTING 1 PART CSI 4-4 ULV WITH 1 PARTS MINERAL OIL					
Permethrin / PBO lbs.A.I. /Acre	Application Rates Fluid Ounces per minute				Fl.Oz. & (ml) per acre
	5 mph	10 mph	15 mph	20 mph	
0.007 / 0.007	19.0911	3.81822	57.2733	76.3644	6.3637 (188.20 ml)
0.0035 / 0.0035	9.5457	19.0914	28.6371	38.1828	3.1819 (94.10 ml)
0.001 / 0.001	3.7273	5.4546	8.1819	10.9091	0.9091 (26.09 ml)

PBO is abbreviation for Piperonyl Butoxide

CSI 4-4 ULV

EPA Reg. No. 53883-85 EPA Est. No. 53883-TX-1

THERMAL AEROSOL FOGGING

-Truck Mounted- Apply CSI 4-4 ULV diluted or undiluted with suitable Thermal Fogging equipment. If diluted, use a 60 to 100 second viscosity mineral oil, or another suitable non-phytotoxic diluent, to reduce oil requirement and sludge buildup in equipment. Do not exceed the maximum rates. May be applied at speeds of 5 m.p.h. up to 20 m.p.h.. For use with **Hand Carried** and/or **Lawn Mower Foggers**, use the same rates a. i. per acre with a 50 foot swath width at walking speed of 2 mph. Do not fog to wet foliage. Do not fog when wind conditions exceed 10 mph. Only use a clean, well maintained and properly calibrated Fogger, known to give excellent performance. Fog down wind. Apply CSI 4-4 ULV to deliver 0.001 to 0.007 lb. of Permethrin a.i. and 0.001 to 0.007 lb. piperonyl butoxide a.i. per acre. Droplet size of thermal fog will be very small usually in the 0.5 to 1.0 micron range.

****AERIAL APPLICATION**

Aerial application with **ULTRA LOW VOLUMES** of **CSI 4-4 ULV** applied according to the Rates Charts on this label, may be considered necessary when conducted at the discretion of Public Health Officials, Mosquito Abatement Districts, or other trained personnel engaged in outdoor Mosquito and flying insect control programs, when these insects threaten to become a public health hazard. Application should be made by suitable aerial U.L.V. equipment capable of producing droplets with an MMD of 50 microns or less with no more than 2.5% exceeding 100 microns at an altitude of 120 to 175 feet depending on the terrain and weather conditions. The recommended airspeed for Fixed Wing aircraft with flat fan nozzles is from 120 to 160 mph. For Rotary Aircraft equipped with rotary nozzles, apply at a sufficient airspeed to deliver the appropriate amount of **CSI 4-4 ULV** a. i. per acre. Do not exceed 3.1819 fluid ounces per acre of **CSI 4-4 ULV** which is equal to 0.007 lb. permethrin a.i. and 0.007 lb. piperonyl butoxide a.i.) per acre. **PROHIBITION ON AERIAL USE IN FLORIDA:** Not for aerial application in the State of Florida unless specifically authorized by the Florida Bureau of Entomology and the Florida Department of Agriculture and Consumer Services.

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. 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 and 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.

WARRANTY NOTICE - READ ENTIRE LABEL BEFORE USING -

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of **Control Solutions, Inc.** All such risks shall be assumed by the user or buyer. **Disclaimer of Warranties:** There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of **Control Solutions, Inc.** is authorized to make any warranties beyond those contained herein, or to modify the warranties contained herein. **Control Solutions, Inc.** disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product. **LIMITATION OF WARRANTIES:** The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at **Control Solutions, Inc.** option, the replacement of the product.

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